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Enjoy a Beautiful Velvety Lawn



1 lb. to 300 sq. ft.

Prices: 1 lb., 45c;
5 lbs, \$2.15.

Make Your Lawn the Green Carpet of the Outdoors

The lawn is the green carpet of the "outdoor living room" and the entire appearance of the planting is either made or spoiled by its appearance. It is the basis and the most important part of the entire planting and should be created carefully, and maintained religiously.

Use Quality Lawn Seed

There are only a very few kinds of grasses suitable for lawns. Seeds of these fine kinds are much more expensive than the seeds of other less desirable grasses, most of which make good hay, but do not make good lawns. The cheap seed will often grow and cover the ground with green, but eventually the lawn will deteriorate and have to be remade, which is a very expensive and troublesome thing to do.

The Best Results are obtained by sowing the seed quite thickly, one pound or quart to 200 or 300 square

feet, but sowing one pound on 400 to 500 square feet will make an excellent lawn although not quite as quickly.

To Renew Old Lawns, rake thoroughly, stirring the ground as much as possible without killing the grass. All moss and weeds should be removed as far as possible. Sow half as much grass seed as recommended for seeding a new lawn. After seeding the lawn should be rolled.

Fair Green Mixture

Price: Per lb., 40c; per 100 lbs., \$35.00.

Shady Spot Lawn Mixture

Price: Per lb., 50c; per 100 lbs., \$45.00.

Putting Green Mixture

Price: Per lb., 80c; per 100 lbs., \$75.00.

Don't Buy Cheap Seed

Many low-priced grass seed mixtures weigh only fourteen pounds per bushel. This indicates either a good proportion of chaff or some of the real good varieties in the rough state, not properly cleansed so as to leave only the vital part and less of the chaff or shell, in other words, so many less seeds to quart or pound that will germinate and grow real grass.

KENDALL & WHITNEY

Home and Farm

Book for 1935

THIS new Kendall & Whitney Farm, Garden, and Floral Guide is quite different in many ways.. You will find it of unusual interest, as much more complete information is included for the city, farm, and garden enthusiast. Many new photos have been added and new color illustrations to present a more realistic idea of the gorgeous hues and tints with which nature has endowed these glorious flowers so popular with Kendall & Whitney customers throughout the country. From the smallest home garden to country estate, you will find every worth-while garden need in this book of Kendall & Whitney Tested Seeds, Bulbs, Plants, and Accessories.

The Kendall & Whitney Store has made but one change in location since it was started in a small store under the Old City Hall in Monument Square seventy-seven years ago. After growing until it occupied the entire first floor and basement it was moved, in 1887, to the Whitney Building, about a block from the original location, and is, today, known as one of the best equipped Seed, Hardware, and Implement Stores in Maine.



From 1858 to 1887.



A modern store packed full of interesting things for the City, Farm, and Suburban Home.
Same location from 1887 to 1935.

Our Merchandising Policy

Order Early

It is suggested that customers consider the advantages of ordering early and as soon as possible after receipt of this, the 1935 K & W Catalog. Experience of past years brings this suggestion to the fore and when in the rush of the season it is impossible to fill the entire order, (because of heavy call on certain articles) such items as are missing, will not hold up shipment but will go forward by separate parcel within a few days.

Stock Seed

A large part of our seeds are grown for us on contract by special growers, from our own stock, and in locations best suited for their development. Others are secured from strictly reliable sources and constant effort is made to secure only the best.

Free Delivery of Seeds

We will send by Parcel Post, to any part of the United States, all Vegetable and Flower Seeds quoted in this catalog, at packet, ounce, quarter-pound, half-pound rates, free of expense to the purchaser, excepting heavy seeds such as Peas, Beans, Corn, Clover Seed, Seed Grain, Roots, etc. These are quoted at net prices at our store. Purchasers desiring these by mail are requested to remit an additional amount sufficient to cover postage, at parcel post rates according to zone. Allow two pounds in weight for each quart of Peas, Beans, or Corn. Particular attention is invited to this, as, when omitted the cost of postage will be deducted from the amount received.

Shipping

We deliver free to Express, Railroad or Boat. All goods travel at buyer's risk; our responsibility ceases when we take the carrier's receipt. If goods are damaged, so sign for them and enter claim with the carrier at once.

Bags

On orders for seed requiring bags the cloth bags are charged for at cost and if returned in good condition, charges prepaid, will be credited at price charged on all except wholesale orders.

Remittance

May be made by Express Money Order, Post Office Money Order or Bank Draft; if stamps or cash send in a Registered Letter. Parties having no account with us—who order goods without remittance—must furnish satisfactory reference. Portland reference preferred.

Prices

The pricing of all articles in the K & W 1935 Catalog is carried out in good faith and it is our wish that they be maintained, but there are rare cases in which it is impossible to foresee a decline or rise in the producer's charge to us. ALL PRICES ARE NET and subject to change without notice in such instances of purchase as are beyond our control. Where seeds or equipment are for resale by the retailer, freight or express should be considered and added when quoting to the prospective purchaser.

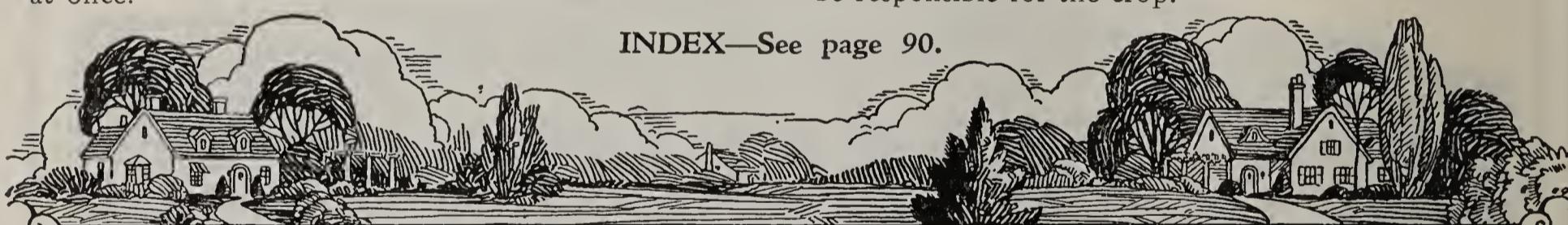
Attention

All correspondence answered promptly. Telephone orders given immediate attention. Call Portland, Dial 3-4796.

Non-Warranty

We give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants we send and we will not be responsible for the crop.

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PARCEL POST RATES

Limit of weight, 70 lbs. Limit of size, length and girth combined, 100 inches.

ZONES	First up to 50 miles	Second up to 150 Mi.	Third 150 to 300 Mi.	Fourth 300 to 600 Mi.	Fifth 600 to 1000 Mi.	Sixth 1000 to 1400 Mi.	Seventh 1400 to 1800 Mi.	Eighth over 1800 Mi.
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1st or 2nd zone	8c for first pound or fraction of pound, and 1.1 cts. for each additional lb. or fraction.
3rd zone	9c for first pound or fraction of pound, and 2 cts. for each additional lb. or fraction.
4th zone	10c for first pound or fraction of pound, and 3.5 cts. for each additional lb. or fraction.
5th zone	11c for first pound or fraction of pound, and 5.3 cts. for each additional lb. or fraction.
6th zone	12c for first pound or fraction of pound, and 7 cts. for each additional lb. or fraction.
7th zone	14c for first pound or fraction of pound, and 9 cts. for each additional lb. or fraction.
8th zone	15c for first pound or fraction of pound, and 11 cts. for each additional lb. or fraction.

A fraction of a cent in the total amount of postage on any parcel to be computed as a full cent.

On Seeds, Bulbs, Plants or Roots not exceeding eight (8) ounces in weight, the postage charge is 1c for each two (2) ounces or fraction thereof; on Sundries or other Merchandise not exceeding eight (8) ounces in weight, the postage charge is 1½c for each two (2) ounces or fraction thereof. Seeds, Bulbs, Plants, Roots, Sundries, etc., weighing over eight (8) ounces are sent at zone rates.

If special delivery is wanted an additional 10c is required on packages weighing up to two (2) pounds—15c on packages weighing more than two (2) pounds and up

to ten (10) pounds—20c on packages weighing more than ten (10) pounds.

If it is desired that package be given the same dispatch as first class mail it requires an additional 25 cents to the amounts as stated above, which is called a "Special Handling" rate.

If remittance accompanies order, a sufficient amount should be included to cover the extra charges—if ordered to be sent by either of the methods as stated above.

Flower Seeds

Plan and Plant a Flower Garden for Beauty, Health and Recreation

Brief Hints on Sowing and Cultivation

THE SOIL. A mellow loam, which is a medium earth between the extremes of clay and sand, enriched with a compost of rotted manure and leaf-mold, is adapted to the general run of flowering plants. Previous to planting flower beds or borders, care must be taken that they are so arranged that the ground may be a little elevated in the middle, that the water may run off, and that the plants may show to better advantage.

SOWING THE SEED. Nine-tenths of the failures in flower culture come from improper treatment of the seeds and young plants. We urge every purchaser of our seeds to carefully study the cultural directions printed on each package, and the following general rules: Do not plant any of the seeds when the ground is wet. Make the surface as fine and smooth as possible. Cover each sort of seed to a depth proportionate to its size; the finest, like Portulaca, Campanula, Digitalis, etc., should be merely sprinkled on the surface of the ground, and barely covered with finely sifted, light, mellow soil. Press soil down firmly over the seed with a brick or short piece of board. For large seeds, depth should be regulated according to size of seed; those the size of a pin-head, $\frac{1}{2}$ inch deep, and those the size of a pea, $\frac{3}{4}$ of an inch. Procure a bit of lath (it would be better if planed smooth) about 2 feet long, press the edge down into the soil evenly, so as to make a groove as deep as the seed is to be planted; scatter the seed along this, allowing four or five of the larger to 15 or 20 of the smaller seeds to the space one plant is to occupy when grown. Cover the seed by pressing earth together over it, then turn your lath sideways and press soil down firmly and evenly.



Antirrhinum—Snapdragon.

ABRONIA (Sand Verbena) *Umbellata Rosea*. A quick growing trailing fragrant annual with verbena-like rose colored flowers. Excellent for baskets and rockeries. 6 inches high. Trailing 3-5 feet. Pkt., 10c.

ACROCLINIUM (Everlasting Flower). One of the so-called everlasting flowers, which, when cut and dried, is very valuable for winter bouquets. A graceful plant, growing about 15 inches high and bearing lovely rose and white flowers, which are very effective in beds or borders during the summer, but it is for their use in a dried state during the winter that they are extensively grown. Mixed, pkt., 10c.

AGERATUM (Floss Flower). Hardy annual. A plant of the greatest beauty and value for garden or window, unexcelled for border, rock garden or bedding. Early and constant bloomer. Mixed colors. All varieties mixed. Pkt., 10c.

ALYSSUM. A well-known favorite, hardy annual, blooming profusely the entire season. Excellent for edging. No other white flower is so well adapted for a dense, low carpet, or as borders and ribbons in garden work. Extremely fragrant and frequently used for bouquets. Sow seed early in April.

Sweet White. 1 ft. Pkt., 10c.

Tom Thumb. Very dwarf; white. Pkt., 10c.

ANTIRRHINUM (Snapdragon). One of the most beautiful and useful bedding plants, blooming profusely throughout the summer. Fine for cutting.

Early Brilliant Rose. Rose-pink. Pkt., 10c.

Early Golden King. Yellow. Pkt., 10c.

Early Queen Victoria. White. Pkt., 10c.

Early Rose Queen. Soft pink. Pkt., 10c.

Early Scarlet Defiance. Scarlet. Pkt., 10c.

Mixed. Pkt., 10c.



Ageratum.



Arctotis grandis.

AMARANTHUS. Brilliantly colored foliage, and bearing peculiarly formed flowers. While in rich soil the plants and leaves are much larger, the colors are seldom as brilliant as when grown on rather poor soil. Of easiest culture. Give plenty of room to develop.

Tricolor Splendens (Joseph's Coat). Red, yellow, and green foliage. One of the most beautiful of ornamental-leaved Amaranthus. Pkt., 10c.

AMMOBIUM ALATUM. A useful everlasting for making dried winter bouquets and a showy border plant, growing freely in any garden soil. Hardy annual. White. 2 ft. Pkt., 10c.

ARCTOTIS (African Lilac Daisy) *Grandis*. A remarkable, handsome annual, forming bushes well branched. The flowers are pure white with sky blue eye while the reverse of the rays are pale lilac-blue. An excellent cut flower. 2 feet high. Pkt., 10c.

ASPERULA. A most profuse-blooming, hardy annual, attaining an average growth of one foot, the flowers of which are a beautiful light blue, are very sweet scented, and last a long while in perfection. 1 ft. Pkt., 10c.



Sweet Alyssum.

Asters

On account of their easy culture and vigorous growth, Asters are deservedly popular. For blooming in September and October, when they flower at their best, sow the seeds in the open ground early in May. If earlier blooms are wanted, they may be sown in cold-frames or in boxes or pots in the house. Cover the seeds about $\frac{1}{2}$ inch with rich, light soil. When the plants have three or four leaves, transplant 18 inches apart in beds in which well-decayed (not fresh) manure has been thoroughly incorporated. A good dressing of wood ashes stirred into the surface of the bed is very beneficial to the growth of plants and prevents disease.

Early Varieties

QUEEN OF THE MARKET. A handsome, profuse early blooming class of graceful, spreading habit, producing finely formed, double flowers two or three weeks before most others begin to bloom; extensively grown for cutting. 1 $\frac{1}{2}$ ft. Pkt., 10c.

Mid-Season Varieties

VICTORIA. One of the finest for beds and borders. Grows about twelve inches high and blooms profusely. Mixed, pkt., 10c; white, pkt., 10c.

BLUSH QUEEN. Large flowers of a delicate blush color, and borne in great profusion. Pkt., 10c.

TRUFFAUT'S PEONY-FLOWERED PERFECTION. A beautiful early flowering variety. Mixed colors. 2 ft. Pkt., 10c.

SUPER GIANT LOS ANGELES. The color is pure shell-pink, unusually large, yet artistically graceful in the feather effect of the interlacing petals. In the garden they show up best combined with the Blue Lace Flower. Pkt., 15c.

Late Varieties

GIANT BRANCHING COMET. Distinct and valuable; flower resembles the Japanese Chrysanthemum. Not only larger, but petals are longer and somewhat broader than the old Comet section. The plant is of vigorous, luxuriant growth, producing freely long-stemmed graceful flowers. 1 $\frac{1}{2}$ to 2 feet. Pkt., 10c.

CARTER'S WHITE PLUME. One of the most magnificent white Asters yet produced; height, about fifteen inches. Pkt., 10c.

BETTERBRIDGE QUILLED. Perfectly double quilled flowers of beautiful mixed colors. Pkt., 10c.



Aster.

CALIFORNIA GIANT. Flowers of the Crego type.

One of the finest for private gardens or florists' use. Blossoms of large size with long stem. Per pkt., 15c.

IMPROVED CREGO. Plants robust, branching, about 2 $\frac{1}{2}$ ft. Flowers large, double and well formed; one of the finest varieties for all purposes.

Lavender, wilt resisting. Pkt., 10c.

Pink, wilt resisting. Pkt., 10c.

White, wilt resisting. Pkt., 10c.

Mixed, wilt resisting. Pkt., 10c.

NEW BRANCHING. The flowers are like beautiful Chrysanthemums, large, very graceful, produced on long stems, well above the foliage; grand for cutting. Plants extra large and of strong growth; one plant will cover a space 2 $\frac{1}{2}$ ft. square. By far the most satisfactory grown.

Lavender, wilt resisting. Pkt., 10c.

Pink, wilt resisting. Pkt., 10c.

Crimson, wilt resisting. Pkt., 10c.

White, wilt resisting. Pkt., 10c.

Purple, wilt resisting. Pkt., 10c.

Finest Mixed, wilt resisting, all colors. Pkt., 10c.

HEART OF FRANCE ASTER. The best pure red Aster ever introduced. Heart of France opens red as the purest ruby. The flowers are large and full with never a trace of a hollow center. The stems are long. Pkt., 10c.

BACHELOR'S BUTTON OR CORNFLOWER. Popular hardy annual of the easiest culture, blooming quickly after seed is sown and for a considerable time if flowers are kept well cut. 2 feet.

Fine Mixed. Pkt., 10c.

Double Blue. Pkt., 10c.

BALSAM (Lady Slipper). This favorite annual has been continually improved for several years, the flowers of some strains being perfectly double and of immense size, rivaling in beauty those of Camellia. The strain we offer is of this improved type, and is remarkable for bright and effective colors, embracing varied and brilliant self-colors, also superbly mottled and striped varieties. Tender annuals.

Double Fine. Mixed. Pkt., 10c.

BALLOON VINE. A tender annual climber of rapid growth, bearing small white flowers, followed by curious inflated seed-vessels, somewhat resembling a balloon. 10 to 15 feet. Pkt., 10c.

BARTONIA AUREA. Showy, hardy annual of distinct character, its golden yellow flowers being freely produced. It grows well in partial shade, but should not be crowded. Pkt., 10c.



Aster.

BEANS, ORNAMENTAL VARIETIES. The Scarlet and White Runner Beans are popular as ornamental climbers. The former is largely grown alone for ornamental effects. The beans of the White Runner are used in some localities as green shell beans. Scarlet are also edible, but seldom used. All should be treated as directed for Pole Beans.

Scarlet Runner. Pkt., 10c.

White Runner. Pkt., 10c.

BRACHYCOME (Swan River Daisy). A free-flowering plant of dwarf, compact growth, bearing in great profusion beautiful single blue or white flowers. Effective as edgings or in beds, and suitable for rustic baskets or pot culture. Half-hardy annual, 1 foot.

Mixed Blue and White Colors. Pkt., 10c.

BROWALLIA. Compact little plants not more than 9 to 10 inches high, and extremely floriferous, bearing over 100 dark blue flowers with white eyes. Easily grown from seed. Plants bloom over a long period.

Elaea Coerulea. Blue; 1½ ft. Pkt., 10c.

Alba. White; 1½ ft. Pkt., 10c.

Fine Mixed. Pkt., 10c.

BLUE LACE FLOWER. This pretty annual blooms freely from July to November. The blossoms are pale lavender, and are excellent for cutting, as they last a long time in water. Plants grow about eighteen inches high. Seed may be sown outdoors when the trees are in leaf. Pkt., 15c.

Calendula (Pot Marigold)

A very free-blooming hardy annual of easy culture. Grows well in nearly all soils. Flowers double, borne on stiff stems, and are cut to some extent but the plant is more desirable for bedding. 1 to 1½ feet.

Campfire or Sensation. Improved strain. This is much taller growing and the flowers are much larger than the Campfire or Sensation sent out in previous seasons. We consider this variety the very best forcing orange Calendula on the market. Pkt., 15c.

Chrysanth or Sunshine. Chrysanth is a new Calendula which is outstanding among all varieties known up to the present time. The large flowers are an exquisite shade of clear buttercup yellow, with long loosely arranged petals, which droop to give the rounded appearance found in our favorite Chrysanthemums. Pkt., 10c.

Radio. Improved strain. A special selection of large flowering, well-formed Radio type flowers, borne on long, stout stems—a strain which is more suitable for forcing than the original Radio. Pkt., 10c.



Annual Canterbury Bells.



Calendula Chrysanth.

CALENDULA—Continued

The Ball. A large ball-shaped double flower. Color, bright orange, much used by florists. Pkt., 10c.

Orange King. Large, dark orange. Pkt., 10c.

Lemon King. Clear lemon-yellow. Pkt., 10c.

Mixed Double Varieties. Pkt., 10c.

CALCEOLARIA. Gorgeous flowered tender annuals, used chiefly for greenhouse or conservatory decoration. Seed sown in August or September will produce blooms in March and April. Require cool house, 35 to 40 deg. at night.

Choice Mixed Varieties. Pkt., 25c.

CALLIOPSIS. Double. Pkt., 10c.

CANDYTUFT—Large Flowering. A well-known, hardy annual, very useful for bedding and bouquets, and also for pot culture.

Giant Hyacinth-Flowered or Improved Empress. An improved strain forming much-branched plants about 18 inches high, each branch terminated by an immense spike of very large individual pure white flowers. Makes a very effective white bed or border, and is invaluable for cutting. Pkt., 10c.

Little Prince. Large heads of pure white flowers. Plants about six inches high. Ounce, 40c. Pkt., 10c.

Crimson. Ounce, 25c; pkt., 10c.

Lavender. Ounce, 35c; pkt., 10c.

White. Ounce, 35c; pkt., 10c.

Finest Mixed. Ounce, 30c; pkt., 10c.

CANARY BIRD VINE. A rapid-growing, delicate climber, reaching a height of from ten to fifteen feet. Bright yellow, fringed; exceedingly beautiful foliage. Half-hardy annual. Pkt. 10c.

CANNA. Handsome foliage plants, growing from three to eight feet high. Highly ornamental on the lawn. Soak the seed in warm water for about twelve hours. Seeds should be sown early in a strong moist heat. Finest mixed. Pkt., 10c.

CANTERBURY BELLS—Annual. Few flowers are more popular than the Canterbury Bell. These new annuals make it possible to enjoy these flowers in five months after planting the seed, and by making successive plantings flowers may be had until fall. These come in various shades of pink, blue, and white. Pkt., 10c.

CINERARIA. Well-known favorite, free-flowering plants for the greenhouse, succeed best in light, rich, free and open soil. Greenhouse perennial. Fine mixed varieties. Pkt., 25c.



Giant Hyacinth-Flowered Candytuft.



Plumed Cockscomb.

beds and transplanted into rich soil one foot apart.
Mixed. Double. Pkt., 10c.

COLEUS. One of the most popular foliage plants. It is very decorative in the flower border, and easily grown from seed, which frequently produces new and distinct varieties. New Hybrid. Mixed. Pkt., 15c.

CONVOLVULUS MAJOR (Morning Glory). A well-known beautiful climbing annual, suitable for covering arbors, trellises, etc. Blooms from July until autumn. Fine mixed. Ounce, 15c; pkt., 10c.

Japanese. Gigantic flowers, exquisite new colors, magnificent foliage. Finest mixed. Pkt., 10c.

COREOPSIS. Showy, hardy annuals about two feet high, succeeding well in any soil. Produces a fine effect when grown in a mass. Blooms from June until September.

Fine Mixed. Pkt., 10c.

Drummond's Large Yellow. Pkt., 10c.

COSMOS—Midsummer Large Flowering. Splendid flower for cutting purposes, plants growing five to seven feet high, which are beautiful masses of the most elegant foliage, with hundreds of large, showy blossoms. Both foliage and flowers are excellent for cutting. Sow seed early in spring and transplant to the garden in June.

Single Early Flowering. Mixed. Pkt., 10c.

Double Early Flowering. Mixed. Pkt., 15c.

CYPRESS VINE. One of the most popular of all summer climbers; flowers small, thickly set in a most beautiful dark-green foliage, forming a striking contrast. Tender annuals. Scarlet. Pkt., 10c.

CHRYSANTHEMUMS—Annual. The annual chrysanthemums are free-blooming, easily grown plants. They have large, daisy-like flowers in a variety of brilliant colors and are fine for cutting.

Double White. Pkt., 10c.

Double Yellow. Pkt., 10c.

Double Mixed. Pkt., 10c.

CLARKIA. A very beautiful hardy annual, about eighteen inches high, blooming from June to September. Set six inches apart. Fine mixed. Ounce, 30c; pkt., 10c.

COBaea SCANDENS. The most useful of climbers, on account of its rapid growth, fine foliage, and large, bell-shaped flowers, purple in color. In sowing place the seeds edgewise and cover lightly. Pkt., 10c.

COCKSCOMB (Plumed). Very singular and attractive, half-hardy annuals, about two feet high. To perfect the flowers they should be sown in the hot-



Annual Chrysanthemums.

ANNUAL AFRICAN DAISY, African Golden (Dimorphotheca aurantiaca). This very showy annual plant is a valuable addition to the list of hardy annuals. When first exhibited, it gained an Award of Merit at the great Temple Show, London, has been very favorably mentioned in the leading horticultural papers in this country and Europe, and all who have seen the plant in bloom praise it. A bed of these plants is remarkably effective, and the flowers are excellent for cutting, while the plant is easily grown from seed sown in the open ground. Pkt., 10c.

DAHLIAS From Seed. Plant in a shallow box or pan early in March or April, transplant carefully and keep the soil moderately moist. When all danger from frost is over set out in the bed or border in the garden. Finest mixed, single, pkt., 10c. Finest mixed, double, pkt., 10c.

K & W GOLD MEDAL HYBRID DELPHINIUM. These beautiful blue combinations are a glorious sight in every garden. The long flower spikes will bloom the entire summer and fall. Pkt., 25c.

ESCHSCHOLTZIA (California Poppy). A very showy, hardy annual, about one foot high, blooming from June until September. Produces a brilliant effect; admirable for borders when grown in a mass.

Golden West. Large yellow with orange center. Pkt. 10c.

Ramona Hybrids. A new compact strain with frilled flowers in pink, white and yellow. Pkt., 10c.

Finest Single Mixed. Pkt., 10c.

Carter's Carmine King. A splendid new variety of a beautiful carmine-rose color. Pkt., 10c.

FEVERFEW (Pyrethrum). Handsome, free-flowering, highly ornamental plants, producing a fine effect in the mixed flower and shrubbery borders. Succeeds in any rich soil.

Double White. Pkt., 10c.

Golden Feather. Yellow foliage. Fine for edging flower beds. Pkt., 10c.

FOUR O'CLOCK (MARVEL OF PERU). A well-known favorite plant, bearing freely funnel-shaped, white, red, and striped flowers, which open about four o'clock in the afternoon. Will grow anywhere. Plants should be given plenty of room, about 2 feet apart. 2 feet. Mixed Colors. Pkt., 10c.

GAILLARDIA (Blanket Flower) Annual Varieties. Very showy, free-blooming, hardy plants of easy culture. Seed germinate very slowly and should be sown in the house in March. The flowers are very brilliant, borne on long stems. Fine for cutting. 2 feet. Fine mixed. Pkt., 10c.



Annual African Daisy (Dimorphotheca).



Larkspur—Annual Delphinium.

GOURDS—Ornamental. A valuable and highly interesting class of climbing plants. Tender annuals. Fine mixed. Pkt., 10c.

GLOBE AMARANTH. A tender annual, about two feet high, very ornamental in the garden. The flowers will retain their beauty for a long time if gathered and dried as soon as they are open. Start early in hotbeds, and transplant one foot apart in the border when the weather becomes warm. Mixed. Pkt., 10c.

GLOXINIA. Greenhouse plants, producing richly colored and brilliant flowers. Greenhouse perennial.

Carter's Invincible Prize. Contains all the best self-colors, crimson, sapphire, purple, ruby, rose, bluish-violet and white, together with the most beautiful spotted or marbled kinds. Pkt., 25c.

GODETIA OR SATIN FLOWER. Attractive, hardy annuals, deserving more extensive cultivation, especially in the cooler parts of the country. The plants bloom profusely, and bear showy flowers, not unlike an Azalea, of satiny texture, in many rich and varied colors. They do best in a rather poor soil; 1 foot. Fine Mixed. Pkt., 10c.

GREVILLEA ROBUSTA. A very graceful decorative plant, with evergreen fern-like foliage. Excellent for table decoration. Pkt., 10c.

GYPSOPHILA OR BABY'S BREATH. A free-flowering annual that should be in every garden, for it thrives abundantly, furnishing the loveliest material for bouquets.

Elegans. Hardy annual; pure white. Pkt., 10c.

HELICHRYSUM (Eternal Flower). A hardy annual, very ornamental in the garden, and very desirable for winter bouquets, as they will retain their form and color for years if gathered and dried when first open.

Double Yellow. Pkt., 10c.

Double White. Pkt., 10c.

Double Scarlet. Pkt., 10c.

Double Purple. Pkt., 10c.

Double Fine Mixed. Pkt., 10c.

HELIOTROPE—Sweet Scented. A well-known half-hardy perennial, particularly prized on account of its delightful fragrance. It is well adapted for bedding or pot culture. Sow the seeds early in spring in pots or in the hothouse, and transplant into the garden when the weather becomes warm. Finest Mixed. Dark varieties. Pkt., 10c.

HUMULUS (Japan Hop). Rapid summer climber, resembling the common hop, but being an annual, attains full perfection the first season. The foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc., producing grateful shade and being very ornamental. Heat, drought, and insects do not trouble it. Pkt., 10c.

HYACINTH BEAN. Tender, climbing annual, producing clusters of blue and white flowers; 10 ft. Pkt., 10c.

ICE PLANT. A singular-looking, tender annual, with thick, fleshy leaves that have the appearance of being covered with crystals of ice. Start early in pots and transplant into light, sandy soil, in a warm situation. Pkt., 10c.

IPOMOEA (Moonflower). The Ipomoeas are climbers of rapid growth and bear immense fragrant flowers of glistening white, seven to eight inches across. The flowers open at sunset and close the next morning. To hasten germination soak seed in warm water a few hours. Flowers large white. Pkt., 10c.

KOCHIA CHILDSI (Mexican Fire Plant or Summer Cypress). A splendid ornamental annual plant, forming dense oval bushes 2 to 2½ feet high, of small, feathery, light green foliage. As summer advances, this changes to a carmine hue and finally to a fiery red. A very attractive plant. Pkt., 10c.

LANTANA. Highly valuable plant of vigorous growth and branching habit, producing brilliantly-colored flowers constantly changing in hue. Very effective, either for pot culture or for bedding. Fine Mixed. Pkt., 10c.

LARKSPUR—Annual Delphinium. Very beautiful, showy annuals, producing dense spikes of flowers, which are very decorative, either in the garden or when cut for vases. Set ten inches apart. Blooms from July until frost.

Dwarf Double Rocket. Finest mixed; 1 ft. Pkt., 10c.

Double Branching. Fine mixed; 2 ft. Pkt., 10c.

LAVENDER. A shrubby plant, blossoms of delightful fragrance. Pkt., 10c.

LINUM (Flowering Scarlet Flax) Grandiflorum Rubrum. Brilliant dark scarlet. Hardy annual. Pkt., 10c.



Kochia Chilidsi.

LOBELIA. Most excellent and useful plants, free-flowering and of easy culture. Fine for borders, baskets, vases and window boxes.

Gracilis. Fine for hanging baskets, vases, etc., light blue trailing. Pkt., 10c.

Crystal Palace. Compact; dark blue; excellent for edging. Pkt., 10c.

LOVE-LIES-BLEEDING. A hardy annual, three to four feet high, with pendent spikes of blood-red flowers. Pkt., 10c.

LOVE-IN-A-MIST (*Nigella*). A curious, hardy annual about one foot high with finely cut leaves and singular flowers. Mixed. Pkt., 10c.

LUPINUS (*Lupine*). These plants are of easy culture, producing beautiful leaves and pea-shaped flowers, and should be more generally cultivated. The annual varieties may be sown out in the open in May and as plants grow thin out, leaving about twelve inches between the plants. Fine Mixed Annuals. Pkt., 10c.

King Lupine. Enormous spikes of rich Oxford blue, with pure white stripe in the standard of each flower. The plants grow three to four feet high with six to eight huge spikes to a plant. Being annuals the flower may be had the first season and make excellent cut flowers. Price per pkt., 15c.

Marigold

New and standard varieties. Extremely showy, half-hardy annual, one to two feet high, well adapted to garden culture, blooming profusely through the season. Set one foot apart. The African varieties are the taller in growth, and produce large self-colored blossoms. The French varieties are smaller, some of them being elegantly striped and spotted. The dwarf-growing kinds make extremely handsome borders, remaining in full bloom until killed by frost.

DOUBLE AFRICAN NEW CARNATION-FLOWERED MARIGOLD, Guinea Gold. The most gorgeous and lovely of all Marigolds. Plants are of strong growth, $2\frac{1}{2}$ feet tall, with a great profusion of large semi-double blooms, each displayed on a fine long stem. Color richest, purest orange-gold imaginable. We highly recommend this wonderful variety. Pkt., 15c.

Orange Prince. Large deep orange flowers, very showy. About two and one-half feet high. Pkt., 10c.

Lemon Queen. Similar to the Orange Prince, except in color, which is lemon-yellow. Pkt., 10c.

Double Mixed. Pkt., 10c.

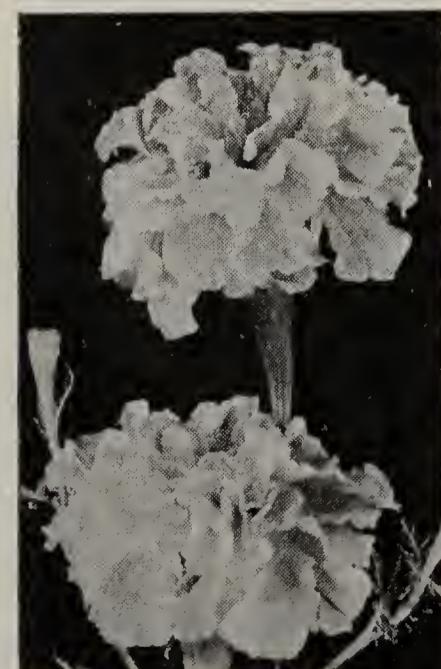
DWARF FRENCH MARIGOLDS.

Double Mixed. About one foot high. Pkt., 10c.

Legion of Honor. Single, about nine inches high; golden yellow, with large spots of velvety crimson. Pkt., 10c.



Love-in-a-Mist.



New Marigold "Guinea Gold"

MARVEL OF PERU (Four O'clock). The old and well-known Four O'clock. A beautiful plant, with flowers of various colors, making a fine summer hedge when set one foot apart. Grows two feet high. Fine mixed. Pkt., 10c.

MAURANDIA. An elegant, half-hardy, climbing plant, blooming the first season if sown early. *Barclayana*. Rich violet flowers. Pkt., 10c.

MORNING GLORY. (See *Convolvulus*.)

MOURNING BRIDE (*Scabiosa*). These beautiful, hardy annuals are in great demand. They grow about two and one-half feet high and bloom from early July without interruption until cut down by the frost. As a flower for cutting they are much in demand. The various shades are very charming, but are equally well adapted for borders or beds, where they display themselves very effectively. Seeds should be sown any time in the spring after danger of frost is past.

Purple. Pkt., 10c.

White. Pkt., 10c.

Red. Pkt., 10c.

Finest Mixed. Pkt., 10c.

MIGNONETTE. This sweet delicate fragrance makes this a favorite in every garden. Sowings made in April and again in July will keep up a succession from early summer until frost, can also be grown in pots for winter and early spring flowering. Hardy annual, 6 to 8 inches.

Mignonette, Sweet. Large-flowered variety, very fragrant. Per ounce, 20c. Pkt., 10c.

Allen's Defiance. Spikes of immense size and very fragrant. Pkt., 10c.

Machet. The finest variety for pot culture; of dwarf growth, with sweet-scented, red flowers. Pkt., 10c.

White Pearl. Flowers nearly white; a desirable variety.

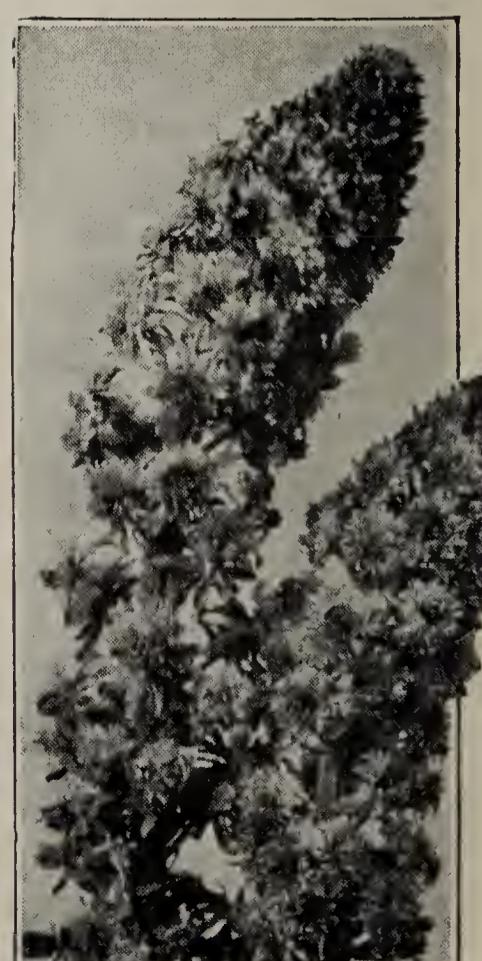
Gabrielle. A variety of dwarf pyramidal growth with large spikes of reddish flowers; fine for pots, or in the open ground. Pkt., 10c.

MIMULUS. Handsome, profuse-blooming plants, with flowers of singular form and brilliant color, fine for greenhouse or shady situations. Blooms from seed the first year if sown early. Fine mixed. Pkt., 10c.

MUSK PLANT. Fine for hanging baskets. Color yellow, sweet scented. Pkt., 10c.



Mourning Bride.



Mignonette.

K. & W. Giant Flowering Nasturtiums



**NEW DOUBLE NASTURTIUMS, GLORIOUS
GLEAM HYBRIDS, ORIGINATION
EXTRAORDINARY FOR 1935**

Gleam Hybrids are the result of years of scientific breeding and selection for the development of this new sensational double, sweet-scented Nasturtium. The color range includes an evenly balanced blend of the glorious assortment of brilliant shades: salmon, golden yellow, orange, scarlet, cerise, creamy yellow, maroon, crimson and gold-flashed scarlet. The flowers are uniformly double, large, well-formed, and delightfully scented while the stems are long and wiry, bearing the numerous flowers well above the lush green of the foliage. This gives the effect of a solid mass of color. Nothing could be lovelier in the garden. Pkt., 25c.

Double Sweet Scented Golden Gleam. Awarded gold medal. These flowers have the appearance of a fully double flower and are most attractive and fragrant. Pkt., 15c.

Double Sweet Scented Scarlet Gleam. Dazzling in color, sweet scented, extra large flowered. Pkt., 50c.

NICOTIANA (Flowering Tobacco).

Deliciously fragrant flowers, very ornamental, of easy cultivation, excellent for cutting. Half-hardy annuals.

Affinis. White, very fragrant. Pkt., 10c.

Sylvestris. Plants of pyramidal growth about four feet high. Flowers pure white and very fragrant. Pkt., 10c.

Sanderae. Branching habit; two feet. Strikingly beautiful plants. Blossoms brilliant carmine-red; delicious fragrance. Pkt., 10c.

NEMESIA. Dwarf large-flowering hybrids. A very pretty annual which does

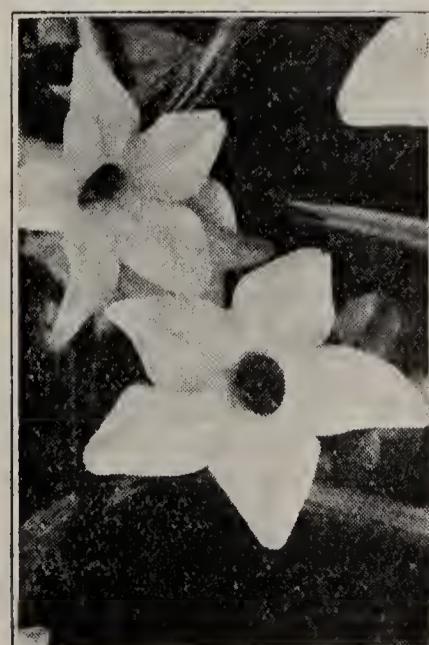
No other annual excels the Nasturtium for brilliancy of color, duration of bloom, ease of culture and general usefulness. All they need is a moderately good soil in a well-drained, sunny situation, and within a few weeks from the time they are planted until frost comes, there is an endless profusion of their gorgeous blossoms. They are suitable for bedding and edging; grow quickly and will thrive best in light or sandy soils. Plant seed when ground is warm, 2 inches deep and thin to stand 6 inches. The more the flowers are picked the more freely they will bloom.

K & W Special Mixture of Dwarf Giant Flowered. A matchless mixture of the Dwarf Giant varieties. It is composed of the most elegant large flowered sorts, the colors range through every tint and shade. Their fine color, long stems, great size make them valuable for cutting. 1 lb., \$1.25; $\frac{1}{2}$ lb., 70c; $\frac{1}{4}$ lb., 40c; 1 oz., 15c; Pkt., 10c. Collection of 6 pkts., 50c.

The "K & W" Mixed Varieties, both Tall and Dwarf, cannot be surpassed for brilliancy and variety of color. The plants, for about three months in the year, produce a lavish profusion of bloom, even through the hottest weather, and a trial of them is sure to give great satisfaction. **Nasturtium (Tall)** "K & W" Mixed Varieties, 1 lb., \$1.25; $\frac{1}{2}$ lb., 70c; $\frac{1}{4}$ lb., 40c; 1 oz., 15c; Pkt., 10c. Collection of six Pkts., 50c.



K & W Dwarf Giant Nasturtiums.



Nicotiana

best in a cool position; the plant grows about a foot high, and the orchid-like flowers are very varied in color, including rose, yellow, blue, orange, etc. Fine mixed varieties. Pkt., 10c.

NEMOPHILA (California Blue Bell). Charming hardy, low annual, producing an abundance of extremely delicate and beautiful flowers. Very useful for bedding or for pot culture. Sow early in pots and transplant into a cool, rather moist location.

Insignis. Clear, bright blue, white center. Pkt., 10c.

Fine Mixed. Pkt., 10c.

K. & W. Prize Giant Spencer Sweet Peas

The skill of the hybridizer has wrought marvelously in the development of this beautiful flower. The range of color, combined with the exquisite beauty of form of the flowers, and the gracefulness of the stems and tendrils, makes this the most popular of all our annual flowers. Height, 5 to 7 ft. Dig a trench 18 inches deep and fill with best loam, enriched with the bone-meal or well-rotted manure. Drill in rows, 5 inches deep; cover 2 inches deep. As vines grow, gradually fill trench with soil, and thin to 5 inches apart. For early flowers sow in November, in a dry situation, 6 to 8 inches deep, giving level culture. Make spring sowings as early as possible.

WHITE

Avalanche. Very large pure white. Pkt., 10c; oz., 20c.

King White. Giant white; the largest white Spencer type. Pkt., 10c; oz., 20c.

Constance Hinton. Black seed. Large. Pkt., 10c; oz., 20c.

Youth White. Edged with soft rose. Pkt., 10c; oz., 20c.

PRIMROSE

What Joy. Primrose-yellow shading to cream; nicely frilled. Pkt., 10c; oz., 20c.

LIGHT PINK SHADES

Mary Pickford. A dainty cream-pink with just the faintest suffusion of salmon. Pkt., 10c; oz., 20c.

DEEP, BRIGHT PINK

Brilliant Rose. Bright Tyrian rose. Pkt., 10c; oz., 20c.

Hebe. Giant rosy pink. Pkt., 10c; oz., 20c.

Pinkie. Rose-pink, extraordinarily large flowers. Pkt., 10c; oz., 20c.

Rosabelle. Giant rosy pink. Pkt., 10c; oz., 20c.

Sunset. Bright rose. Pkt., 10c; oz., 20c.

ORANGE AND SALMON

Idyl. A lovely combination of rich salmon-pink on cream base. Pkt., 10c; oz., 20c.

Hawmark Pink. Rose-pink flushed and shaded with salmon. Pkt., 10c; oz., 20c.

Hero. A brilliant clear cerise suffused salmon. Pkt., 10c; oz., 20c.

Melba. Pale salmon. Pkt., 10c; oz., 20c.

Miss California. Orange, salmon, cream, pink. Pkt., 10c; oz., 20c.

Prince of Orange. Enormous flowers of deep orange-red in color. Pkt., 10c; oz., 20c.

SHADES OF RED

Crimson King. The largest crimson. Pkt., 10c; oz., 20c.

Doreen. Bright carmine, very large. Pkt., 10c; oz., 20c.

King Edward. Pure, deep red; very large. Pkt., 10c; oz., 20c.

Morse's Sunproof Scarlet. The brightest scarlet Sweet Pea. Pkt., 10c; oz., 20c.

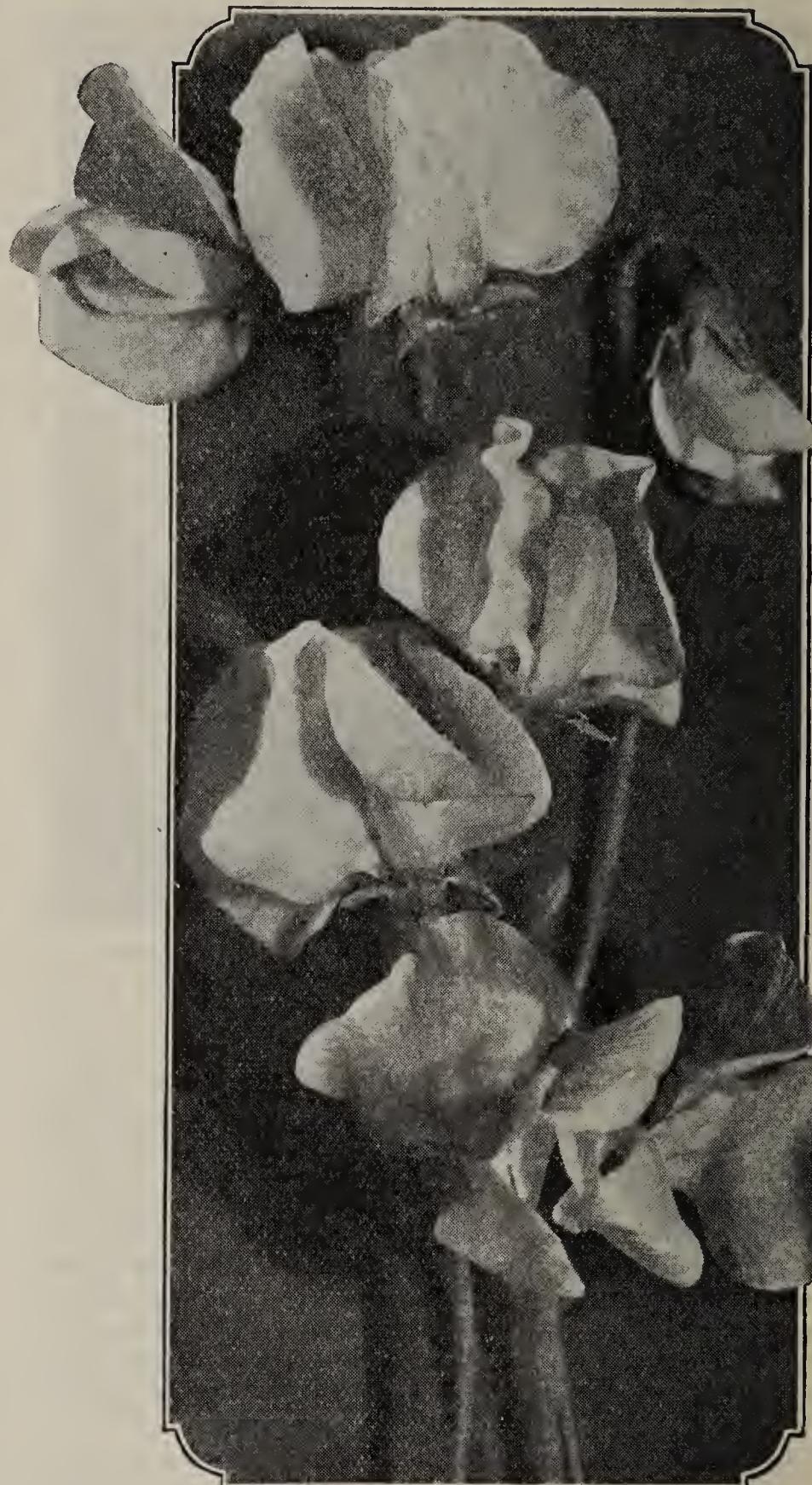
Vermilion Brilliant. Intense, bright scarlet. Pkt., 10c; oz., 20c.

EDGED

Blue Picotee. White, with blue edges. Pkt., 10c; oz., 20c.

Dainty. White with rose-pink edge. Pkt., 10c; oz., 20c.

Sunkist. The ground rich cream and the picotee edge of rose clearly defined. Pkt., 10c; oz., 20c.



K & W Assortment

This contains 6 packages, all different colors. Each package is one of our regular 10c packages; Gleneagles, lavender; Crimson King, deep crimson; Pinkie, deep pink; Avalanche, white; Miss California, salmon-pink; Royal Purple, purple. Price of assortment, 48c.

LAVENDER SHADES

Dobbie's Orchid. Large mauve-lavender. Pkt., 10c; oz., 20c.

Gleneagles. Immense flowers of pale blue-lavender. Pkt., 10c; oz., 20c.

SHADES OF BLUE

Reflection. The bluest of blue flowers, large and waved. Pkt., 10c; oz., 20c.

Mrs. Tom Jones. Best of deep blues. Pkt., 10c; oz., 20c.

PURPLE AND MAROON

Royal Purple. Rich, deep purple. Pkt., 10c; oz., 20c.

Senator. Chocolate, purple and white striped. Pkt., 10c; oz., 20c.

Mixed Varieties. Pkt., 10c; oz., 20c; 1 lb., \$2.25; ½ lb., \$1.25; ¼ lb., 75c.

Pansies

Good results may be obtained from sowing seed in May in a light, cool, but well moistened soil, enriched with a slight amount of barnyard manure or fine ground bone. Sow seed in drills, covering them five times their diameter, and firm soil. Water once a day, except in very dry weather, when they may be watered twice a day. Seed will germinate in about two weeks and should not be allowed to dry out. A covering of newspapers will prevent drying out. When plants are large enough to handle, they should be transplanted to a distance of one foot apart. Where greenhouse and cold frame facilities are at hand, seed may be sown in July or August and plants protected during winter.

"K & W" EXTRA CHOICE MIXED. This is a mixture composed of the finest varieties of large flowering Pansies and for years has been giving splendid satisfaction. Pkt. 10c.

NON PLUS ULTRA. A mixture of Pansies designed for the buyer who wishes his beds of the finest colors and greatest variety possible. Pkt., 15c.

ODIER. Finest blotched. Pkt., 10c.

MADAM PERRET. A new French strain. Flowers large size in many colors, especially red, and wine shades. Pkt., 15c.

SWISS GIANT. Outstanding in color, size and freedom of bloom. These varieties were raised by a Pansy specialist in Switzerland and have created a decided sensation in floricultural circles. The plants are very robust, and the very large flowers of heavy texture, are carried on strong stems well above the leaves. Mixed colors, pkt., 50c.

Giant Trimardeau Pansies

A strain of Pansies having very large flowers. We have pleasure in offering to our customers the very distinct varieties described below:

GIANT KING OF THE BLACKS. Velvety jet black. Pkt., 10c.

GIANT BLUE. Beautiful light blue. Pkt., 10c.

GIANT YELLOW. Pure golden yellow. Pkt., 10c.

GIANT PURPLE. Dark, rich purple. Pkt., 10c.

GIANT MIXED. Pkt., 10c.

Petunias

Favorite, hardy annuals, succeeding well in any rich soil. For the brilliancy and variety of their colors, their abundance of flowers, and the long duration of their blooming period, they are indispensable in any garden.

PINK GEM. About 6 inches high, covered with deep pink blooms. Fine for window boxes, borders and pots. Pkt., 15c.

DOUBLE FRINGED. Extremely double, edges finely fringed, petals fluted and crinkled, unmatched by crumpled velvet, which the flowers resemble. Pkt., 25c.

SINGLE FRINGED. Choicest fringed sorts. Pkt., 20c.

CALIFORNIA GIANT. A strain of incomparable beauty, size and luxuriance. The flowers are exquisitely ruffled or fringed on the edges, and are enormous. Pkt., 25c.

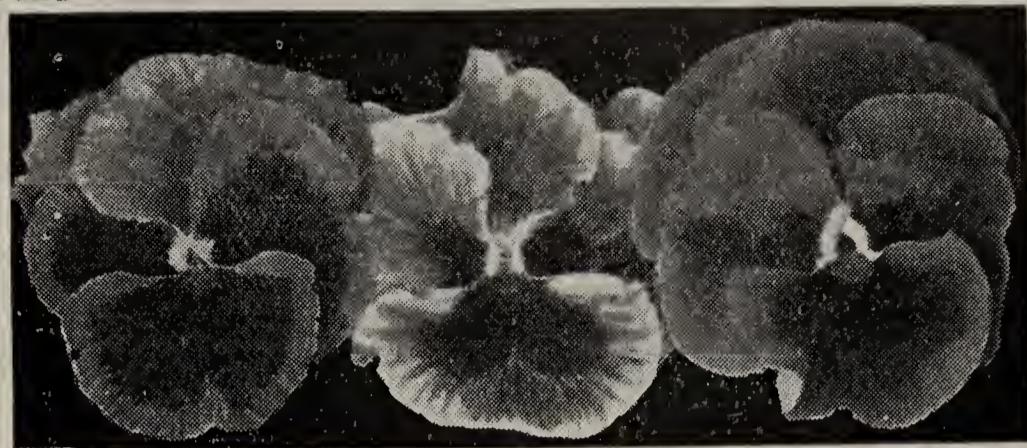
ROSY MORN. Soft carmine-pink, white center; used very extensively for borders, beds or rockeries. Pkt., 10c.

WHITE. Single, large, pure white. Pkt., 10c.

BALCONY BLUE. Indigo blue. Flowers very large. Pkt., 15c.

Fine Mixed. Single varieties. Pkt., 10c.

PASSION FLOWER. A splendid class of climbers, with curious flowers produced in great profusion; fine for conservatory or will answer for the garden, flowering freely during the autumn. **Fine Mixed, pkt., 10c.**



Poppies

Brilliant and showy, hardy annual, growing freely in any garden soil. Sow as early in spring as the weather will permit at intervals for a succession. Barely cover seed: PRESS DOWN FIRMLY, and when up thin to six inches apart. 2 ft.

Double Flowering Varieties

CARDINAL. Dark foliage, deeply cut; very double fringed flowers. Color vivid scarlet. Pkt., 10c.

MIKADO. Double white fringed flowers, crimson margins. Pkt., 10c.

WHITE SWAN. The acme of perfection in double Poppies. The profusely produced blossoms are perfectly formed, and the purity of their color is beyond reproach. Pkt., 10c.

PEONY FLOWERED. Resembles a double peony. Mixed, pkt., 10c.

CARNATION FLOWERED. Double fringed flowers. Mixed, pkt., 10c.

DOUBLE SHIRLEY, Sweet Brier. Deep rose-pink resembling double Begonia. Pkt., 15c.

Single Flowering Varieties

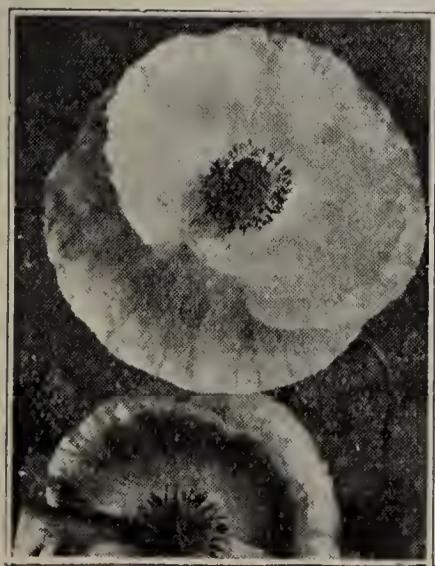
ADMIRAL. Single, peony-flowered variety. Glistening pure white, with scarlet band around the top; very handsome. Pkt., 10c.

PEACOCK. Cup-shaped, crimson blossoms, with ring of black at base of the petals; equally good for pots or borders. Pkt., 10c.

SHIRLEY. Beautiful strain of single mixed Poppies; bright delicate colors; fine for cutting. Pkt., 10c.

TULIP. Grows twelve to fourteen inches high, and produces well above the foliage fifty to sixty large flowers of the most brilliant scarlet. Pkt., 10c.

ICELAND. Blooms the first year from seed. Colors range from white to orange. Pkt., 10c.



Shirley Poppies.



Rosy Morn Petunias.



Salpiglossis.



Schizanthus.

PHLOX DRUMMONDI. The flowers are of exquisite beauty, and are greatly admired by all. Their long duration in bloom, combined with their almost unequaled richness of color, make them invaluable in the general flower garden. Hardy annuals.

Pure White. Pkt., 10c.

Pure Deep Scarlet. Pkt., 10c.

Rose. Pkt., 10c.

Yellow. Pkt., 10c.

Crimson. Pkt., 10c.

Fine Mixed. Pkt., 10c; oz., \$1.00.

PLUMED COCKSCOMB. (See page 8).

PORTULACA. Very popular, low-growing, hardy annuals, making a most brilliant display in the garden, and very suitable for borders or edgings. Sow early in warm, light, rich soil and thin plants to 4 inches.

Single. All colors mixed. Pkt., 10c.

Double. Finest mixed. Pkt., 10c.

PRINCE'S FEATHER. Ornamental plants, with elegant plumes of rich colored flowers.

Large Flowered. Crimson; 2 ft. Pkt., 10c.

RHODANTHE. A well-known everlasting; valuable for the decoration of the conservatory and flower garden; fine for bedding or ribboning. The flowers, if gathered when young, make valuable winter bouquets. Succeed best in a light, rich soil and a warm, sheltered situation. Half-hardy annual; 1½ ft. Fine Mixed, pkt., 10c.

RICINUS OR CASTER OIL PLANT. Plants with very ornamental foliage and showy fruit and quite a tropical appearance. With other ornamental leaved plants, they make a most attractive bed on the lawn, and are also desirable when grown as single specimens. Half-hardy annuals.

Bourboniensis Arboreus. Beautiful, large green foliage; 10 ft. Pkt., 10c.

Cambodgensis. Dark foliage, black stem, 9 ft. Pkt., 10c.

Sanguineus. Scarlet fruited, 6 ft. Pkt., 10c.

Zanzibarensis. Immense dark green foliage, 12 ft. Pkt., 10c.

Mixed Varieties. Pkt., 10c.

ROSE CAMPION. The Rose Campion is perfectly hardy and very easily raised from seed. The flowers are produced on long stems, blooming freely throughout the season. Fine Mixed, pkt., 10c.

SALPIGLOSSIS (Painted Tongue). Very beautiful, rich, half-hardy annuals, one and one-half feet high. Start early in the hotbed and transplant to light, warm, rich soil. Blooms from July to September. Fine Mixed, pkt., 10c.

SALVIA (Sage). Very ornamental, producing tall spikes of brilliant flowers. Start early in hotbeds and transplant two feet apart. Half-hardy annual.

Splendens. Brilliant scarlet flowers. Pkt., 10c.

Bonfire. This variety is one of the finest Salvias for bedding yet introduced. The plants grow into very compact oval bushes about two and one-half feet high, and produce long spikes of brilliant scarlet flowers. Pkt., 10c.

SCABIOSA. (See Mourning Bride).

SCHIZANTHUS. Tender annual, one to one and one-half feet high, producing quickly such a mass of flowers as almost to hide the foliage. Blooms from August to October. Fine for pot culture. Fine Mixed, pkt., 10c.

SENSITIVE PLANT. A pretty, curious annual, being so sensitive that the leaves close together at the slightest touch. Pkt., 10c.

SMILAX. A beautiful winter climbing plant, adapted to conservatory. Nothing can excel this plant in beauty of foliage and orange fragrance of the flower. Extensively used for bouquets and floral decorations of every description. Pkt., 15c.

Stocks

Half-hardy annual, producing splendid spikes of very rich and beautiful flowers of delightful fragrance. For early flowering sow in the spring, in pots or in the hotbed, and transplant one foot apart. Blooms from June until October.

Early Large Flowering Winter Stocks

Beauty of Nice. Strong spikes, with large flowers of a delicate flesh-pink. Pkt., 10c.

Queen Alexandra. Rosy lilac. Splendid. Pkt., 10c.

Cut and Come Again Stocks.

Plants of robust growth and branching habit. If sown early commences blooming in June and continues until frost, producing flowers in September and October, when other varieties have faded. Fine for cutting. All colors mixed, pkt., 10c.

Princess Alice, White. Pkt., 10c.

Large Flowering Ten Weeks Stocks

White. Ten weeks, double. Pkt., 10c.

Purple. Ten weeks, double. Pkt., 10c.

Scarlet. Ten weeks, double. Pkt., 10c.

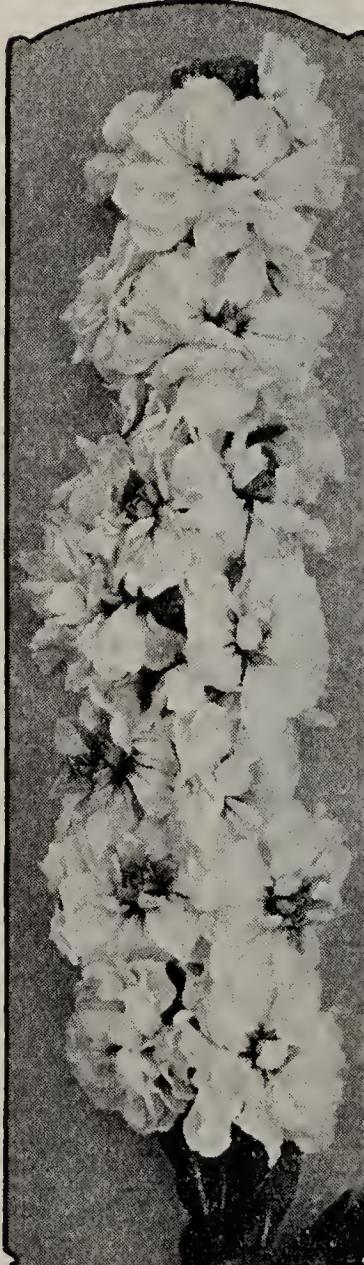
Mixed. Ten weeks, double. Pkt., 10c.

SUNFLOWER. Well-known, showy plants; remarkable for their rapid and stately growth and the large size and brilliancy of their flowers.

California. Double, bright yellow flowers. Pkt., 10c.

Mammoth Russian. Very large flowers, single. Pkt., 10c.

New Miniature. An improvement of the miniature. Covered with hundreds of brightest orange flowers. The blooms are of a variety of shades, sizes and shapes of petals. Pkt., 10c.



Stocks, Beauty of Nice.

ROYAL SWEET SULTAN. Showy, hardy annual, one to two feet high, succeeding well in any soil. The beautiful, sweet-scented flowers are borne on long stems, making them well adapted for cutting. This is the finest of all Sweet Sultans. **Fine Mixed, pkt., 10c.**

THUNBERGIA (Trailing Vine). Very ornamental, trailing, half-hardy annual admirably adapted for trellis or rustic work, or for the conservatory. **Fine Mixed, pkt., 10c.**

TITHONIA. Flowers large, dazzling orange-scarlet, an excellent cut flower. **Pkt., 10c.**

VENIDIUM (Monarch of the Veldt). A new flower from Africa. Deep orange, daisy-like flowers, 4 to 5 inches across. Easy to grow. **Pkt., 15c.**

VERBENA. Well-known and universally popular bedding plant, blooming all summer. Plants grown from seed are more healthy and make larger and harder plants than those from cuttings. If sown in spring will flower quite early. For best results sow in house or hotbed and transplant.

Candidissima. Pure white. **Pkt., 10c.**

Scarlet Defiance. Brightest scarlet. **Pkt., 10c.**

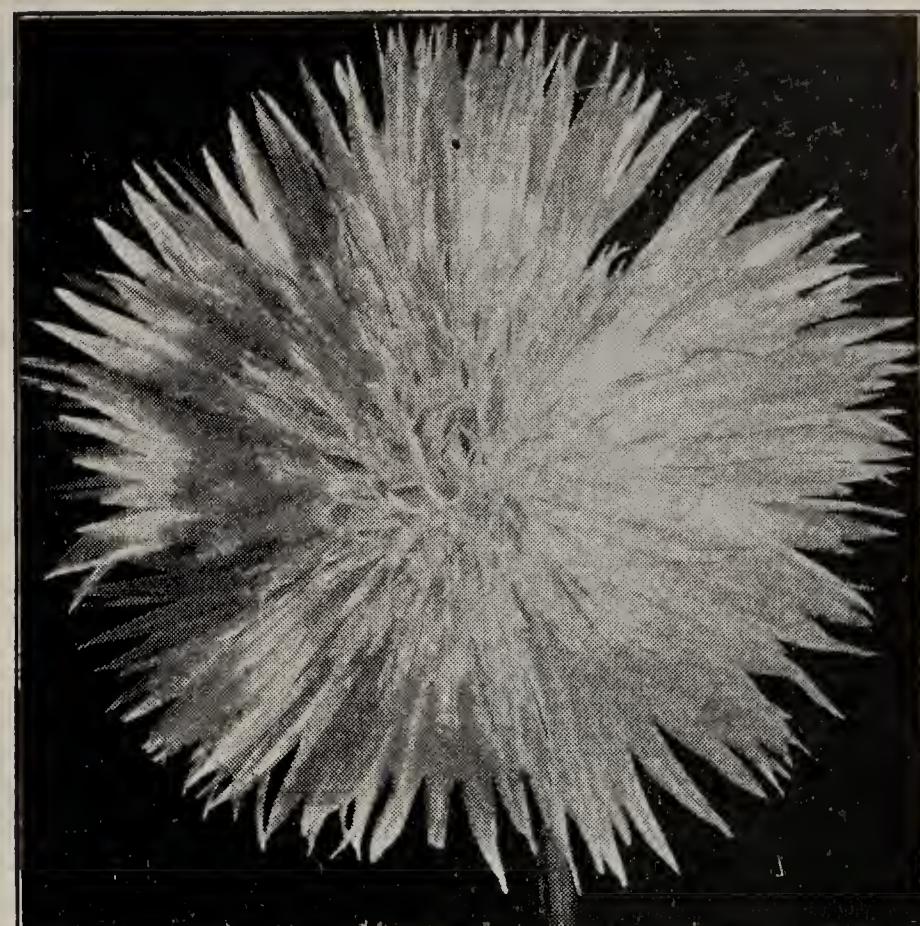
Mammoth Finest Mixed. **Pkt., 10c.**

VISCARIA. Very pretty, profuse-flowering, half-hardy annual, producing a fine effect in beds or mixed borders, and growing readily in any soil. **Fine Mixed, pkt., 10c.**

WALLFLOWER. Very fragrant and ornamental, suitable for background and amongst shrubbery.

Fine Mixed, pkt., 10c.

WILD GARDEN SEED. This is a mixture composed of some of the easiest growing varieties of annuals and is intended to be sown broadcast, producing a bright effect in places which would otherwise be unsightly, and also an abundance of flowers for cutting. In sowing the seed the surface should be stirred with



Giant Royal Sweet Sultan.

a rake and the seed mixed with 5 to 10 times its bulk of dry sand to get a more even distribution of the seed. **Pkt., 10c.**

WILD CUCUMBER VINE. A very rapid-growing climber which reaches a height of fifteen or twenty feet during the season. It is covered with clusters of white sweet-scented flowers, followed by an abundance of ornamental prickly seed pods. It will quickly cover a trellis, pillar or an unsightly building, and will reproduce itself from self-sown seed every year. Soak seed over night in warm water. Hardy annual **Pkt., 10c.**

K. & W. Desirable Zinnias

A most splendid class of hardy annuals, and one of the finest summer flowering plants. The flowers are large, handsome, and in a very great variety of colors, blooming throughout the whole season. Start early in pots or under glass and transplant one foot apart.



Curled and Crested Zinnias.

GIANT DOUBLE MIXED. Of robust growth, producing large flowers on long stems. **Pkt., 10c.**

HAAGEANA. Double orange, one foot. **Pkt., 10c.**

CURLED AND CRESTED. Large, double flowers, with petals twisted, curled and crested into the most fantastic and graceful forms. Usual range of colors. **Pkt., 10c.**

DOUBLE DAHLIA-FLOWERED. The very latest in Zinnias. Flowers of mammoth size and in form like a decorative dahlia.

Canary Bird. Primrose. **Pkt., 15c.**

Crimson Monarch. Best red. **Pkt., 15c.**

Exquisite. Light rose. **Pkt., 15c.**

Oriole. Orange and gold. **Pkt., 15c.**

Mixed. **Pkt., 15c.**

LILLIPUT OR POMPON. This charming little Zinnia, with its very small globe-shaped, very double flowers resembling Pompon Dahlias, is used for borders and edgings but is very useful for cut flowers because of its formal shape and keeping qualities. Blooms from June to frost if seed is started outdoors early. 8 to 10 inches high. **Pkt., 15c.**

Hardy Perennial and Biennial Flower Seeds

Hardy perennials appeal mostly to people who have not the time to bother with plants that have to be reset every spring. Hardy plants will increase in beauty each year. Most all perennial seeds planted in the spring bloom the following year. Seeds planted in August will give excellent results and will bloom the next season.

Alyssum—Gold Dust

Saxatile Compacta. Grows about nine inches high, producing a mass of golden yellow flowers. Per pkt., 10c.

Aquilegia (Columbine)

Grows about two feet high, blooming in May or June. Mixed, per Pkt., 10c.

Arabis (Rock Cress)

Alpina. A hardy perennial and one of the earliest and prettiest spring flowers. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears. Unequalled for rockeries or edging; withstands drought and is always neat and tidy. 6 to 9 inches. Pkt., 10c.

Bellis Perennis (Double Daisy)

A perennial plant, bearing in early spring small double white or rose-colored flowers. It succeeds best, in a rich, loamy soil, partially shaded. It is generally classed as hardy, but really needs a slight protection through the winter. 4 inches. White, Red, Mixed. Pkt., 10c.

Canterbury Bells

Large, bell-shaped flowers, blooming in July. Grows 2 ft. high. Blue, White, Rose, Mixed. Pkt., 10c.

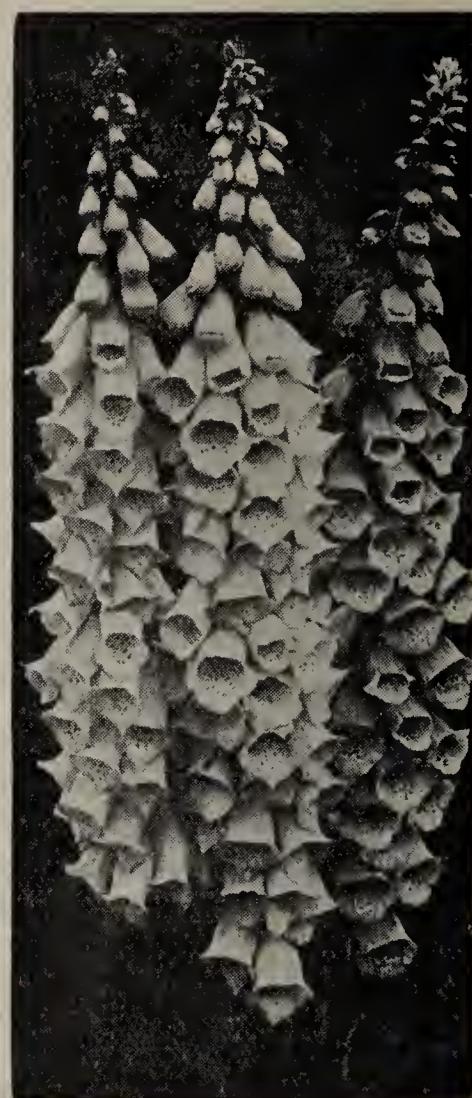
Coreopsis

Lanceolata Grandiflora. Has large showy bright yellow flowers—a hardy plant and produced in the greatest abundance from June till frost. Pkt., 10c.

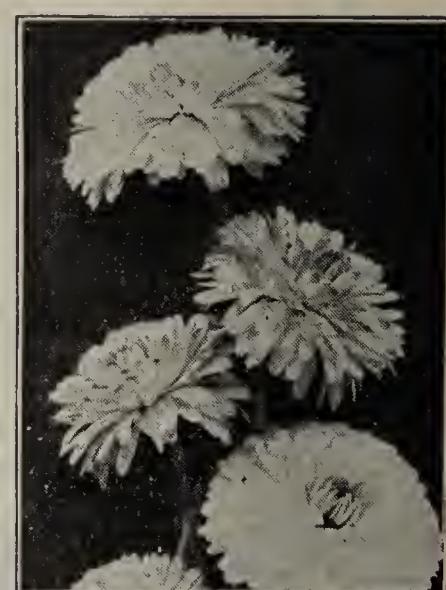
Digitalis (Foxglove)

This is a very ornamental biennial plant, almost three feet high. The racemes of thimble-shaped flowers are often two feet long.

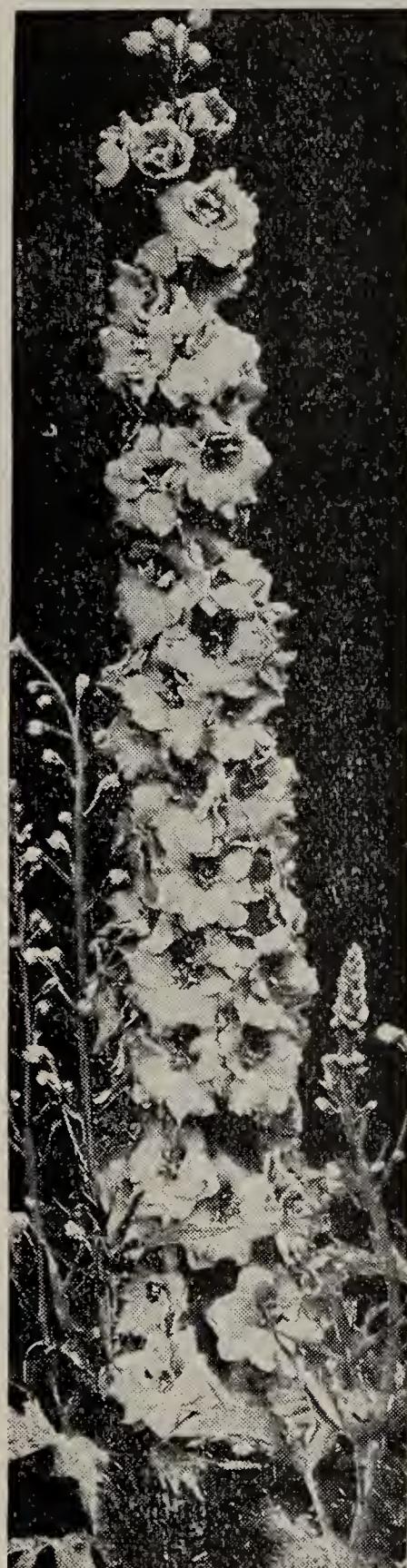
Gloxiniaeflora. Mixed. Spotted flower. Pkt., 10c.



Digitalis.



Bellis Perennis.



Gold Medal Delphinium.

Delphiniums

Richly Colored, Striking and Stately.

One of the finest perennials, growing four feet high, and lasting long time in flower.

Bellamosa. Dark blue. Pkt., 10c.

Gold Medal Strain. Seed taken from the Gold Medal strain. Double and single and includes light blue, intense deep blue and many lighter shades. Pkt., 25c.

Belladonna. Turquoise blue. Pkt., 10c.

Bodger's Hollyhock Strain. A collection of light shades in the latest colors. Pkt., 15c.

Dianthus (Pink)

Carnation. A magnificent class of popular flowers, very fragrant, and of rich and beautiful colors. Hardy perennial. Pkt., 10c.

Gypsophila (Baby's Breath)

Delicate, mistlike flowers. Fine for bouquets. Grows 2 feet high.

Paniculata. White. Blooms the first year, if sown early. Pkt., 10c.

Gaillardia (Blanket Flower)

One of the finest perennials, blooming the entire season. Flowers are large, daisy-like, in shades of yellow with brown centers. Mixed. Pkt., 10c.

Myosotis (Forget-Me-Not)

Low-growing plants, preferring moist, shady places. Most effective grown in masses.

Victoria. Dwarf, sky blue. Pkt., 10c.

Mixed. Pkt., 10c.



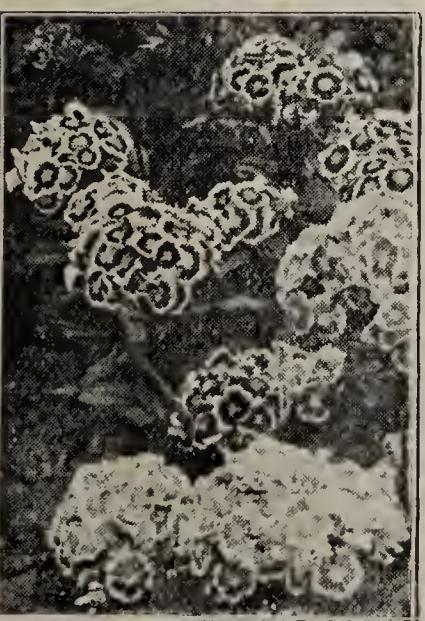
Double Hollyhocks.



Oriental Poppies.



Shasta Daisy.



Sweet William.

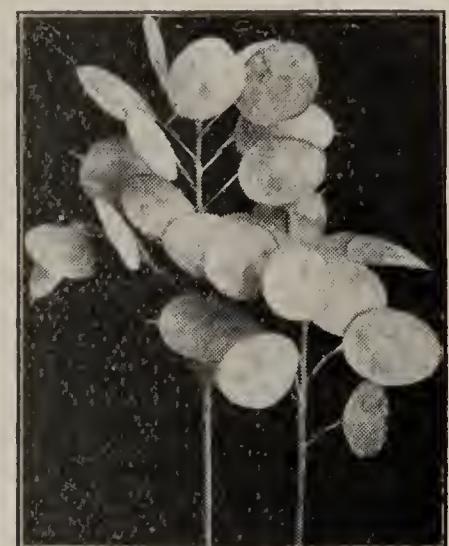
Hollyhock

Very ornamental perennials, attractive in mixed borders, making an attractive background. Flowers about 3 inches across set as rosettes around strong-growing stalks. Seed sown in May or June make fine blooming plants the following season.

Single Mixed, 10c pkt. Double Mixed, 10c pkt.

Honesty

A hardy biennial, two feet high, flowering the second year in May and June. The flowers are succeeded by singular semi-transparent seed vessels that are quite ornamental and may be kept for a long time. Pkt., 10c.



Honesty.

Lupine

Perennial mixed. Pkt., 10c.

Phlox (Perennial)

One of the most beautiful of the perennials, growing 2 to 3 feet high, with large heads of flowers. Pkt., 10c.



Phlox Subulata.

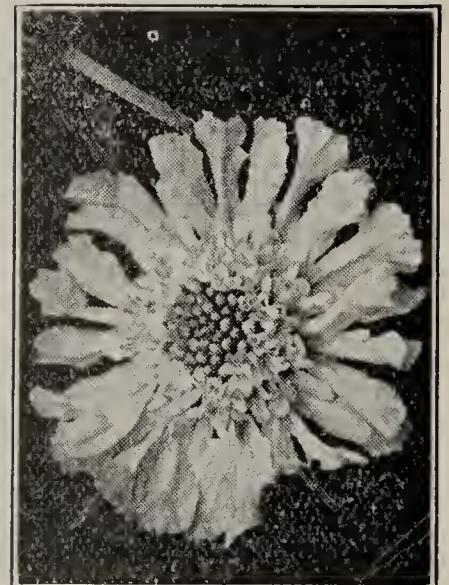
Phlox (Subulata)

Moss, or Mountain pink. An early spring-flowering type with pretty, moss-like, evergreen foliage, which during the flowering season is hidden under the masses of bloom. Excellent for the rockery or the border, and invaluable for carpeting the ground or covering graves. Pkt., 10c.

Perennial Poppy

Iceland. Blooms the first year from seed. Colors range from white to orange. Pkt., 10c.

Oriental. Very large bright scarlet flowers. Fine for borders and amongst shrubbery. Pkt., 10c.



Hardy Scabiosa.

Polyanthus

Grows about one foot high, blooming in June and July. Pkt., 10c.

Scabiosa (Hardy)

Handsome border plants, succeeding in any ordinary soil if well drained and in a sunny location. Should be grown in every garden. They last long when picked and placed in water.

Caucasica (Blue Bonnet). A charming soft shade of lavender. Blooms from June to September; 18 to 24 inches high. Pkt., 10c.



Sweet Rocket.

Shasta Daisy

A hardy perennial, lasting in bloom for a long time. Flowers are white, and from one to 4 inches across. Pkt., 10c.

Sweet Rocket

An early flowering perennial, about 18 inches high, with fragrant purple and white flowers. Pkt., 10c.

Sweet William (*Dianthus barbatus*)

A well-known, attractive, free-flowering hardy perennial, producing in early summer a splendid effect in beds and borders with their rich and varied flowers, 12 to 18 inches. White, Pink, Crimson, Mixed. Pkt., 10c.

Build a Rock Garden—It's Fun

A healthful and enjoyable hobby the whole family will enjoy.

The Rock Garden

Location. The average city or suburban property readily provides ample space for the little rock garden. It may be located between the driveway and the lot lines near the garage, and the bare space next to the house between side or rear group foundation plantings, next to the side of the garage, or any available space on the property not being used, such as on the terrace between two garden levels.

Drainage. To provide drainage, it is best to place a four to eight-inch layer of small stones or cinders about 10 inches under the rock garden level, before treating the soil and placing the rocks.

Materials. The charm of correctly built rock gardens lies in the contrast between the dull gray or brown stones and the bright hues of the flowering plants. Thus, it is not in good taste to use bright colored stones in the construction. Limestone and sandstone rocks are

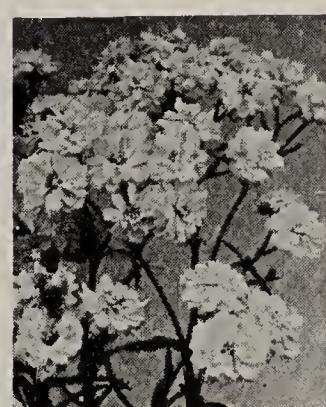
best, or if not obtainable, rocks quarried on the property may be used, if they are not brightly colored. They should be placed irregularly in the soil mixture consisting of two parts loam, one peat moss or decayed leaves, and one part coarse sand.

Construction. Mark out the irregular outlines of the bed and excavate to a depth of 18 or 24-inches. Fill in the bottom of excavation with stone or gravel to ten inches below the ground level. Place on the top of the stones a layer of overturned sod to prevent the dirt filler to be put over the stones from washing down into the stones. Then fill with earth from the excavation, raking the bed to a desired shape. Cover with 12 inches of good mixture. Allow this to settle for several days.

10 Wonder Rock Garden Seeds as Below \$.90



Arabis.



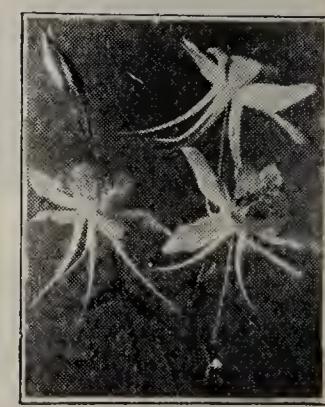
Achillea.



Anemone.



Alyssum.



Columbine.



Gypsophila.



Dianthus Deltoides.



Candytuft.



Sedum Acre.



Viola.

K. & W. Approved Rock Garden Varieties—All Different

Value \$2.10. Our Price \$1.85

Once planted will continue to bloom and yield an annual wealth of beautiful flowers year after year.

Per Pkt.

Achillea, The Pearl, double white, 2 ft.	\$0.10
Alyssum saxatile, yellow, 1 ft. ....	.10
Anemone pulsatilla, violet purple, 9 to 12 in....	.10
Aquilegia caerulea, blue, 2 ft. ....	.10
Aquilegia, long spurred, mixed, 2 ft. ....	.10
Arabis alpina, white, 6 in. ....	.10
Armeria formosa, deep pink, 1 ft. ....	.10
Aster, alpinus, blue, 1 ft. ....	.15

Per Pkt.

Aubrieta deltoides, lavender-blue, 4 in.	\$0.15
Candytuft sempervirens, white, 1 ft. ....	.10
Cerastium tomentosum, dwarf white, 4-8 in. ....	.10
Dianthus deltoides, brilliant carmine, 8 in. ....	.15
Gypsophila repens, white, 8 in. ....	.15
Myosotis palustris, blue, 1 ft. ....	.10
Primula veris, mixed, 6 in. ....	.10
Poppy, Iceland, mixed, 1 ft. ....	.10
Sedum acre, yellow, 6 in. ....	.10
Statice latifolia, lavender, 18 in. ....	.10
Viola cornuta, mixed, 6 in. ....	.10

List of Hardy Perennial Plants

That these plants may reach the purchaser in the best possible condition they will be carefully packed at the nursery and sent by parcel post or express direct to their destination. If sent by parcel post add 10c for each plant, two cents for each additional plant.

The prices of all perennials, except as noted, are 25c each, \$2.50 per dozen, \$18.00 per 100. Six of one kind at dozen price. Fifty of one kind at 100 price.

ACHILLEA (Milfoil or Yarrow).

Perry's White. 20 in. New variety, June to September.
ptarmica fl. pl. var. The Pearl. Double white flowers, most useful for cutting. June to October.

ACONITUM napellus (Monkshood). Dark blue flowers from July to September. 3 ft. Each 35c.
fischeri. A dwarf variety with pale blue flowers. September. 18 in. Each 35c.

ALYSSUM saxatile compactum (Basket of Gold). 1 ft. A grand plant for the rockery or border. April to June.

ANEMONE japonica rubra (Windflower). 2 to 3 ft. Flowers of medium size, color rose; stamens yellow. September to November.
japonica alba. 2 to 3 ft. Flowers large, white. One of the best. September to November.
japonica, Queen Charlotte. 2 ft. Large, semi-double, silvery pink. September.
Japonica, Whirlwind. 2 to 3 ft. Large, semi-double, pure white. September.

AQUILEGIA (Columbine).

California Hybrids. All colors. May. 2 ft.
caerulea (Rocky Mountain Blue Columbine). 2 ft. Long spurs, blue and white flowers. May to July.

ARABIS alpina (Rock Cress). 6 in. Early white spring-flowering plants. Fine for rock work and borders. April to June.

ARMERIA maritima (Sea Pink or Thrift). 1 ft. A fine plant for rockeries or edgings; flowers bright pink.

ASCLEPIAS tuberosa (Butterfly Weed). One of the showiest of our native flowers; brilliant orange. June to July.

ASTER (Michaelmas Daisies). These are our most showy fall flowers.
Climax. 5 ft. Light bluish lavender. August to October.
Joan Vaughan. 2½ ft. Semi-double, blue.
Mrs. Raynor. 4 ft. Deepest red of all Asters. September and October.
St. Egwin. 2½ ft. Bright pink. September and October.

BOLTONIA asteroides (False Chamomile). 5 to 6 ft. Fine late-flowering perennials. Aster-like white flowers. August and September.

latisquama. 4 ft. Flowers clear lavender; fine for cutting.

CAMPANULA carpatica (Harebell). 9 in. Erect blue flowers, useful for edgings. June to September.
carpatica alba. 9 in. Pure white.
medium (Canterbury Bells). 3 ft. Biennial. Flowers blue, white and rose. Separate colors. June and July.
medium calycanthema (Cup-and-Saucer). Biennial. Separate colors.
persicifolia (Bellflower). Peach-leaved. 2 ft. Blue. June to August.
persicifolia alba. 2 ft. White. June to August.
rotundifolia (Blue Bells). 1 ft. Blue. June to August.

CENTAUREA montana. 20 in. Large purple flowers. Fine for cutting. June.

CERASTIUM tomentosum (Snow-in-Summer). 5 to 6 in. Low growing plant. Silvery foliage, white flowers; fine for rockeries.

CHELONE lyoni (Turtlehead). 2 ft. Showy deep red flowers, bearing Snapdragon-like blooms and spikes. August to September.

CHRYSANTHEMUMS (Hardy Garden Varieties)

Coreanum (Korean Chrysanthemum). 2 to 3 ft. September and October. A superb garden plant, coming into bloom before the first frosts. Flowers are single, 2 to 3 inches across, white at first, acquiring a rose-pink tinge with age.
Alice Howell. Orange-yellow. Early.
Barbara Cummings. Double yellow. Early.
Brown Bessie. Pompon. Reddish bronze.
Early Snow. White.
Firelight. Red.
L'Argenteuilais. Deep chestnut. Early.
Marie Antoinette. Rose-pink. Large.
Tennyson. Large, chestnut-brown.
Tints of Gold. Yellowish bronze.
Burbank's Shasta Daisy. 1½ ft. Large snow-white flowers; blooms all summer.

COREOPSIS. One of the best blooming all-summer plants we have.
lanceolata grandiflora. 2 ft. Large golden yellow.

DELPHINIUM (Larkspur).

Belladonna. 3 ft. Sky blue.
bellulosum. 3 ft. Dark blue.
chinensis. 2 ft. Gentian blue. Blooms all summer.
chinensis album. 2 ft. Blooms all summer.
Choice Mixed English Hybrids.

DIANTHUS plumarius (Garden Pinks). A valuable and showy border plant; single and double. Very fragrant. May to August.

barbatus (Sweet William). 1 to 1½ ft. Mixed varieties. June and July.
deltoides (Maiden Pink). A dwarf trailer with rosy pink flowers. June to August.

DICENTRA, or *Dielytra* (Bleeding Heart).

spectabilis. 2 ft. An old-fashioned favorite. May and June. 50c each.

DIGITALIS (Foxglove). The flower heads are over 3 ft. long, crowded with big, bell-shaped blossoms. Colors range from white and shell-pink to deepest rose.

GAILLARDIA grandiflora (Blanket Flower). 2 ft. Large crimson and gold; good for cutting. June to November.

GYPSOPHILA paniculata (Baby's Breath). 2 ft. An old-fashioned favorite; very useful, pure white flowers. June to August.

Bristol Fairy. Double. 50c each.
Repens. A creeping variety with tiny white flowers. A good rockery plant.

HOLLYHOCKS. Finest double variety. Separate colors or mixed.
Finest Single Varieties.

IRIS GERMANICA (German Iris). It is probable that the greatest range of color is found in this section—from pure white through all shades of mauve to blue and dark purple; the flowers are regular orchids in beauty and structure.

Alcazar. Bluish violet; falls deep purple.
Ambassadeur. Lavender; falls deep red-violet.
Cluny. Wisteria-violet; falls soft bluish violet.
Florentina Alba. Large fragrant white flowers.
Gertrude. Dark blue.
Isoline. Lilac-pink; falls purplish old rose.
James Boyd. Blue and violet.
Japanesque. Lavender and white.
Khedive. Soft lavender, orange beard.
Kochi. Dark purple.
Lent A. Williamson. Soft lavender-violet; falls royal purple.
Lohengrin. Soft Cattleya-rose; large.
Lorelei. Falls marine blue veined with white and bordered with yellow.
Madame Chereau. White feathered edges of sky-blue; free flowering.

Mandraliscae. Deep violet-mauve.
Mother of Pearl. Pale bluish lavender.
Nibelungen. Fawn-yellow, falls blue.
Opera. Rich violet-red; bicolor.
Pocahontas. White, penciled lavender, nearly double.
Powhatan. Violet-purple.
Princess Beatrice. Light lavender; falls deeper and tinted violet.
Sans Souci. Golden yellow.
Seminole. Violet-rose and crimson.
Sea Gull. Blue and white.
Sherwin-Wright. Golden yellow.
Troost. Best of pinks.
White Queen. Purest of all white Iris.

IRIS KAEMPFERI (Japanese Iris). All the colors of the rainbow seem to have been gathered together in them in the most fascinating combinations.

All varieties double, except as noted.

Astarte. Dark violet.
Gold Bound. Pure white; yellow markings.
Hercule. Clear lilac blue.
Helen Van Seibolt. Reddish, veined white.
Iphigenie. Coloring deep Chinese lilac.
Mahogany. Large, mahogany-red, late.

IRIS KAEMPFERI—Continued.

Norma. Deep purple.
Orion. Soft lilac; blotched white.
Oniga-Shima. Violet-purple; golden center.
Purple and Gold. Violet-purple.
Uchiu. Blue with golden center, and white.
Vase-Banri. White, veined blue.
Yedo-Jaman. Royal blue. 35c each; \$3.50 per dozen.

LOBELIA (Cardinal Flower).

Cardinalis. Long, dense spikes of handsome rich cardinal-red flowers.

LUPINUS (Lupine).

Polyphyllus. Deep blue pea-shaped flowers on long spikes. June to September. 2 to 3 feet.
Polyphyllus Albus. Pure white.

PAPAVER (Poppies).

Oriente. The common variety of Oriental Poppy. The flowers are a bright scarlet with a black blotch at the base of each petal, and when in bloom in the spring they make a very brilliant display.
Iceland. A beautiful species and among the most desirable of our herbaceous plants.

PÆONIA (Peonies).

Strong roots containing three or more eyes. 50c each, \$5.00 per dozen, except as noted.
Alba Superba. Creamy white.
Boule de Neige. Milk-white.
Charlemagne. Lilac-white, blush center.
Duchesse de Nemours. Sulphur-white.
Marie. Rose-type, lilac-white fading to milk-white, golden yellow stamens, short narrow petals around the collar, fragrant, free bloomer, very late.

PHLOX paniculata (Hardy Perennial Phlox).

A succession of flowers of greatest beauty, from early July until frost, in softest tones of pink and rose, salmon and white in great paniced blooms.
Alpha. Brilliant rosy pink, long trusses. Early.
Annie Cook. Flesh-pink. Tall.
B. Comte. French purple. Medium.
Deutschland. A rich scarlet variety.
Elizabeth Campbell. Light salmon. Medium.
Enchantress. Salmon-pink. Medium.
Europe. White; decided crimson eye. Tall.
Frau Antoine Buchner. Largest pure white. Medium.
Jeanne d'Arc. Pure white; late. Medium.
Le Caid. Pink; darker eye.
Lord Raleigh. Purple, white markings. Tall.
Maid Marion. Soft lavender, large flower. Medium.
Miss Lingard. White with pale pink center. Early.
Mrs. Jenkins. Beautiful clear white. Medium.
Mrs. Scholten. Salmon-scarlet. Medium.
Pantheon. Brilliant rose, very effective. Tall.
Rheinlander. Beautiful salmon-pink. Medium.
Rijnstroom. Color of Paul Neyron rose. Tall.
Sir Edwin Landseer. Flowers bright crimson.

Special French. Beautiful clear pink. Tall.

Thor. Deep salmon-pink. Tall.

Wanadis. White with lilac stripes.

W. C. Egan. Delicate lilac, reddish eye. Medium.

PHYSOSTEGIA virginica (False-dragonhead). One of the most attractive mid-summer plants, covered with clear pink, heath-like flowers. July and August.

PLATYCODON grandiflorum (Japanese Balloon Flower). 2½ ft. Large blue, Campanula-like flowers. July to October.

grandiflorum album. 2½ ft. White.

mariesi. 1½ ft. Violet-blue.

PYRETHRUM roseum (Persian Daisy). 2 ft. One of the showiest flowers; of great value for cutting. June to July. Single. Mixed.
uliginosum (Giant Daisy). 4 ft. Large white. Aug. and Sept.

RUDBECKIA lanceolata (Goldenglow). 5 to 6 ft. Double yellow, Cactus-Dahlia-like flowers. July to Sept.

newmanni. 2½ ft. Golden yellow with purple cone. July to Oct.

purpurea. 3 ft. Large, reddish purple, with dark, cone-shaped

center of brown. July to Oct.

SEDUM acre (Gold-moss). 4 in. Bright yellow, with green foliage. May to July.

album. 4 in. Green foliage, white flowers. July and Aug.

sexangulare. Dark green foliage. Yellow flower. 6 in.

spectabile (Showy Stonecrop). 18 in. An erect growing plant with broad green foliage and large heads of handsome rose-colored flowers.

spectabile, Brilliant. 1 ft. Sept. and Oct. A more richly colored form of **S. spectabile**.

SCABIOSA. (Blue Bonnet).

Caucasica. A soft charming shade of lavender. June to September.

STOKESIA cyanea (Cornflower Aster). 2 ft. Lavender-blue. A native plant; fine for cutting. July to Oct.

alba. White form of the above.

TRITOMA uvaria grandiflora (Flameflower). 4 ft. Orange-scarlet. Aug. to Nov.

VALERIANA. (Spurred Flower).

Officinalis (Hardy Garden Heliotrope). Produces showy heads of rose tinted white flowers during June and July, with strong heliotrope odor.

VERONICA (Speedwell).

filiformis. Is an evergreen flowering ground-cover. It makes rich, fluffy masses of light-green foliage; small, rounded leaves; small, starry, white-and-china-blue flowers. 40c each; \$4.50 doz.

Longifolia subsessilis. A pretty species with blue flowers produced on spikes 1 to 1½ feet long, continuing in bloom the entire summer.

Kendall & Whitney's Choice Dahlias

Decorative Dahlias

Bashful. Apricot. 10 in.....	\$0.25
Col. Chas. A. Lindbergh. Large rose .....	.50
Geo. H. Carr. Deep purple .....	.25
Hercules. Deep yellow .....	.35
Hillside No. 5. Old rose	2.00
Hillside No. 6. Lavender-pink .....	.75
Jane Cowl. Large, bronze-buff and gold .....	.50
Le Toreador. Glowing crimson .....	.75
Snowdrift. Large pure white .....	.25
The Surprise. Crushed strawberry .....	.50
The Giantess. Burnt orange .....	.25
Rose Queen. Rose-pink .....	.25
Winfield Slocombe. Golden buff .....	.35

Cactus Dahlias

Countess of Lonsdale. Salmon-rose	\$0.25
Countess of Clavering. Pale old rose .....	.50
Edith Carter. Bronze shadings .....	.25
J. H. Jackson. Dark maroon .....	.25
Maine Purity. Pure white .....	.25
Silverado. White, shading of orchid50

Single Dahlias

Century Pink. Clear pink	\$0.25
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Lavender	\$0.25
Snowflake. White35
Pride. Dark ruby-red20
Tango. Orange35

Show Dahlias

Acquisition. Purple	\$0.25
Edith Slocombe. Magenta .....	.25
Grand Duchess Marie. Burnt orange .....	.25
Elsie Davidson. Yellow .....	.25
Phortos. Glowing crimson .....	.25
Maude Adams. Pink and white .....	.25

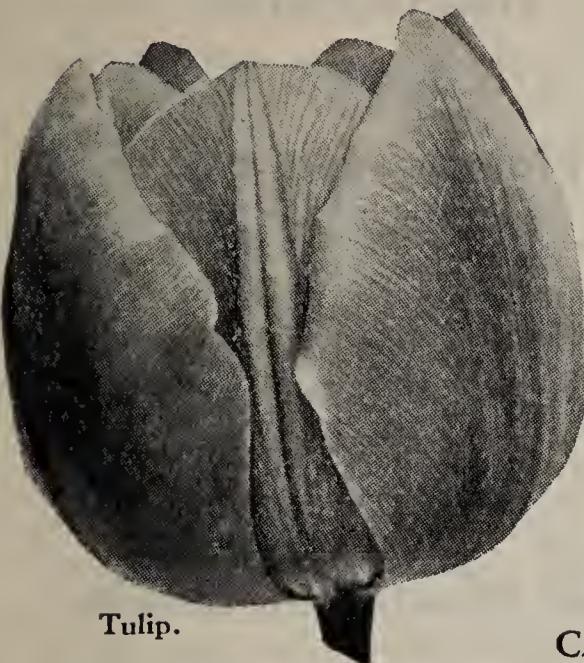
Pompon Dahlias

Ariel. Burnt orange	\$0.25
Bobby. Rich plum .....	.20
Brunette. Red and white .....	.20
Gruss an Wein. Crushed strawberry .....	.25

Collarette Dahlias

Ami Nonin. Old rose, white collar	\$0.35
Abbe Huguenard. Purple, white collar .....	.25
Flanders Field. Scarlet, gold collar .....	.50
Scarlet Queen. Scarlet, gold collar .....	.25
Golden Queen. Deep yellow .....	.25

Summer-Flowering Bulbs



Tulip.



Tuberose.

Dutch Bulbs for winter and spring blooming. These bulbs are imported directly from Holland growers, from whom we have had bulbs for more than 20 years, so we are assured of the quality. Our assortment will consist of hyacinths, tulips, narcissus and crocuses, and will be ready for shipment about October 1st. Send for our bulb list giving directions for growing and prices. No class of plants is easier to grow successfully than these bulbs, so do not fail to enjoy their flowers during the winter and spring months.

Caladium and dahlias ordered by mail are subject to an extra charge of 12c per dozen for postage. All other bulbs ordered by mail are subject to an extra charge of eight cents per dozen for postage.

CALADIUM ESCULENTUM (Elephant's Ear). To get early growth it is best to start inside. Price, 15c each; per doz., \$1.50.

CHINESE CINNAMON VINE. A beautiful hardy climber of rapid growth. The vine dies down in fall but the root is hardy, living in the ground through the winter. Price, 10c each; per doz., \$1.00.

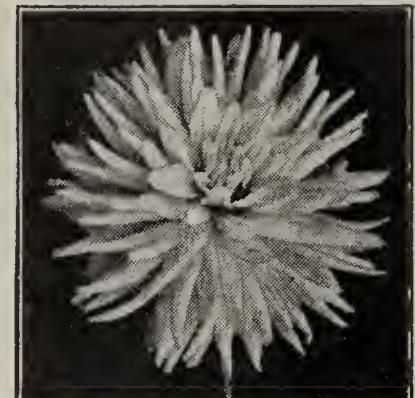
DAHLIA. A large assortment of colors. All bulbs started for early flowering. Price, 25c each; per doz., \$2.75.

GLOXINIAS. Splendid for house or garden. Start in the house but do not put outside before warm weather. Price, 30c each; per doz., \$3.25.

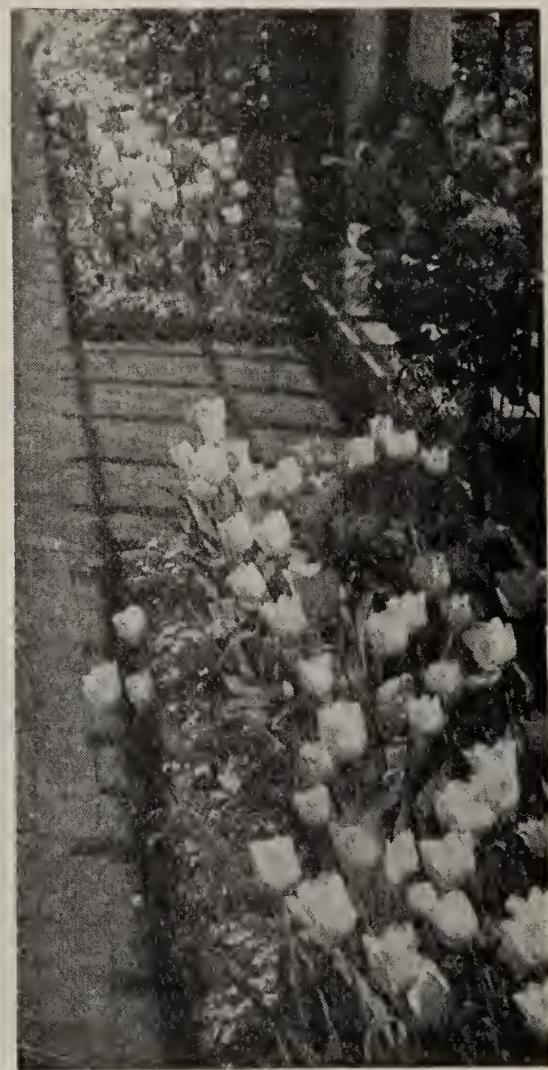
MADIERA VINE. A rapid climber with glossy leaves and feathery, fragrant white flowers; plant when ground is warm. In the fall take up bulbs and store in a cool, dry place. Price, 8c each; per doz., 75c.

TUBEROSE. One of the most popular and fragrant of summer flowering bulbs. For early blooms start in the house. Price, 8c each; per doz., 75c.

TUBEROUS ROOTED BEGONIA. Fine for shady places. Start early in the house and plant out about June 1st. Single varieties, price, 20c each; per doz., \$2.00. Double varieties, price, 20c each; per doz., \$2.00.



Cactus Dahlia.



Tulips in Border.

Fertil-Potted Roses

Now you can have beautiful Roses the first year planted. By arrangement with the inventors of this ingenious method of packing, we offer the following selection of strong two-year-old, dormant budded Roses. Each plant is securely encased in a cardboard box with its roots firmly embedded in a block of specially prepared peat moss.

Neither roots nor tops have ever been exposed to the drying air, and thus the entire store of vitality in that plant is preserved for your garden.

Planting is extremely simple. Be sure to read and carefully follow the planting instructions enclosed in each package. For success, this is important. Fertil-Potted Roses are guaranteed to blossom.

Hybrid Tea Roses. Crimson, Salmon-pink, Bright Pink, White, Yellow.

Hybrid Perpetual Roses. Cerise-Red, Pure White, Brilliant Red, Cream-Yellow.

Climbing Roses. Pink, Scarlet, Yellow, White.

These Roses would grow in a sand pile.

Price, \$1.00, by mail, \$1.15.



Be first in your garden club to have these "STERLING" VARIETIES in your garden and to exhibit them in your flower shows where they are sure blue ribbon winners. They are the Roses you have read about in the garden magazines.





Peony.



Foxglove—Digitalis.



Oriental Poppy.



Golden Elder.



Forsythia.



Hydrangea P. G.

Shrubs—Flowers—Vines—Bedding Plants

Ornamental Shrubs

Weigela	\$0.75
Forsythia .....	.60
Honeysuckle .....	.60
Hydrangea .....	.60
Syringa .....	.60
Spirea .....	.60
Lilacs .....	.60
Bridal Wreath .....	.60
Golden Leaved Elder .....	.60
Bush Roses .....	.75
Climbing Roses .....	.75

Hedge Plants

Japanese Barberry. 12 to 15 inches, \$9.00 per 100; 15 to 18 inches, \$12.00 per 100.

Flower Seedlings

Aster, Pinks, Petunia, Stock, Pansies (choice strain) Marigold, Phlox, Snapdragon, Zinnia and Verbenas.

Bedding Plants

We have available during the season the following plants, they are for local delivery only, and cannot be sent by mail.

Geraniums in 3 inch and 4 inch pots.
Cannas and Fuchsias in 4 inch pots.
Heliotrope, Calendulas and Lobelias in 3 in. pots.

Hardy Plants and Shrubs

These can be supplied on short notice. The demand for hardy perennials is continually on the increase, as they bloom year after year with only slight care. To insure the plants reaching the purchaser in the best possible condition they will be sent direct from nurseries. The following is a partial list of what we can supply:

Peonies. Price, 50c to \$2.00 each.

Climbing Vines

Woodbine	\$0.60
Boston Ivy .....	.60
Dutchman's Pipe	1.50
Clematis paniculata .....	.60
Clematis Jackmani	1.00
Honeysuckle .....	.60
Wisteria	1.00

FOR FRAGRANCE

Alyssum	10 in.
Candytuft	12 in.
Heliotrope	24 in.
Sweet Rocket	18 in.
Lavender	24 in.
Mignonette	12 in.
Sweet Pea	4 ft.
Sweet William	24 in.

FOR PARTIAL SHADE

Balsam	18 in.
Clarkia	24 in.
Columbine	30 in.
Mignonette	12 in.
Forget-Me-Not	10 in.
Sweet William	24 in.

FOR MIDSEASON BLOOMING

Ageratum	8 to 12 in.
Swan River Daisy	10 in.
Coreopsis	18 to 24 in.
African Daisy	12 in.
Eschscholtzia	12 in.
Gaillardia	18 in.
Nasturtium	12 in.
Petunias	15 in.
Phlox	12 in.
Poppy	18 to 30 in.
Scabiosa	30 in.
Verbena	8 in.

FOR LATE BLOOMING

Alyssum	10 in.
Aster	18 to 30 in.
Calendula	18 in.
Coreopsis	18 to 24 in.
Cosmos	4 ft.

Gaillardia

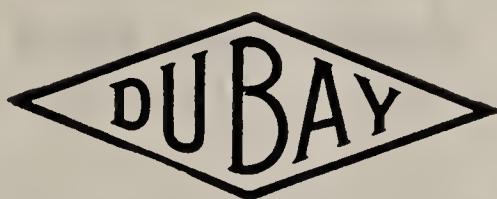
Marigold	18 in.
Snapdragon	8 to 30 in.
Zinnia	24 to 30 in.
Zinnia	30 in.

FOR WINDOW BOXES

Ageratum	8 to 12 in.
Coleus	12 in.
Heliotrope	24 in.
Lantana	24 in.
Lobelia	5 in.
Nasturtium, Dwarf	12 in.
Petunia	15 in.
Phlox	12 in.
Thunbergia	4 ft.
Verbena	8 in.

CLIMBERS

Cypress Vine	
Hyacinth Bean	
Gourd	
Hop Vine	
Morning Glory	
Scarlet Runner Bean	
Tall Nasturtium	
Sweet Pea	

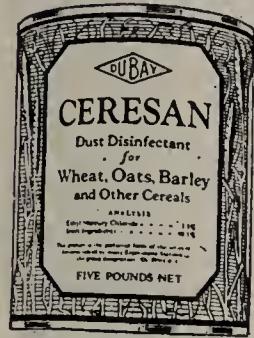


SEED DISINFECTANTS

**Control Seed-borne Diseases of Farm Crops
Stimulate Germination - Improve Stands
Generally Produce Increased Yields of Higher Quality**

CERESAN

for seed treatment of small grains



PRICES	
8 oz.	\$.50
1 lb.	.75
5 lbs.	3.00
25 lbs.	12.50
100 lbs.	49.00
300 lbs.	144.00

Ceresan has proven effective in controlling such seed-borne diseases as bunt or stinking smut of wheat; stripe disease of barley; loose and covered smuts of barley and oats and covered kernel smut of sorghum. It is the only dust treatment which has successfully controlled these destructive grain diseases. Ceresan does not injure the seed nor the grain drill. Only 2 oz. of Ceresan required per bushel of wheat, rye or sorghum and 3 oz. for barley and oats. Easy to apply, economical to use.

SEMESAN BEL

for seed white and sweet potatoes

Simply mix, dip, drain, dry and your seed potatoes are ready for planting. Semesan Bel may be used on either whole or cut seed pieces. Semesan Bel effectively controls such seed-borne disease organisms as scab, rhizoctonia and black-leg. By controlling these diseases, germination is generally increased, stand improved and the resultant crop bigger and of better quality. One pound treats 16 to 20 bushels of seed. Du Bay Semesan succeeds the products sold as Du Pont Semesan Bel and Bayer Dipdust.



PRICES	
4 oz.	\$.50
1 lb.	1.75
5 lbs.	8.00
25 lbs.	31.25
100 lbs.	120.00
300 lbs.	345.00

SEMESAN JR.

for seed field and sweet corn

Semesan Jr. is especially effective in controlling seed-borne infections of diplodia, Gibberella and Basidiporium, without harming the seed embryo in the least. Its use protects the seed from rotting in the ground and makes possible earlier planting which generally results in increased yields. Improved germination, better stands, control of certain diseases, increased yields are the benefits which thousands of farmers are reaping, at a cost of less than 3c. an acre. Succeeds the products sold as Du Pont Semesan Jr. and Bayer Dust.



PRICES	
4 ozs.	\$ 0.50
1 lb.	1.50
5 lbs.	7.00
25 lbs.	28.75
100 lbs.	110.00
300 lbs.	315.00



PRICES	
2 ozs.	\$ 0.50
1 lb.	2.50
5 lbs.	11.75
25 lbs.	46.25
100 lbs.	180.00
300 lbs.	525.00

SEMESAN

for flower and vegetable seeds

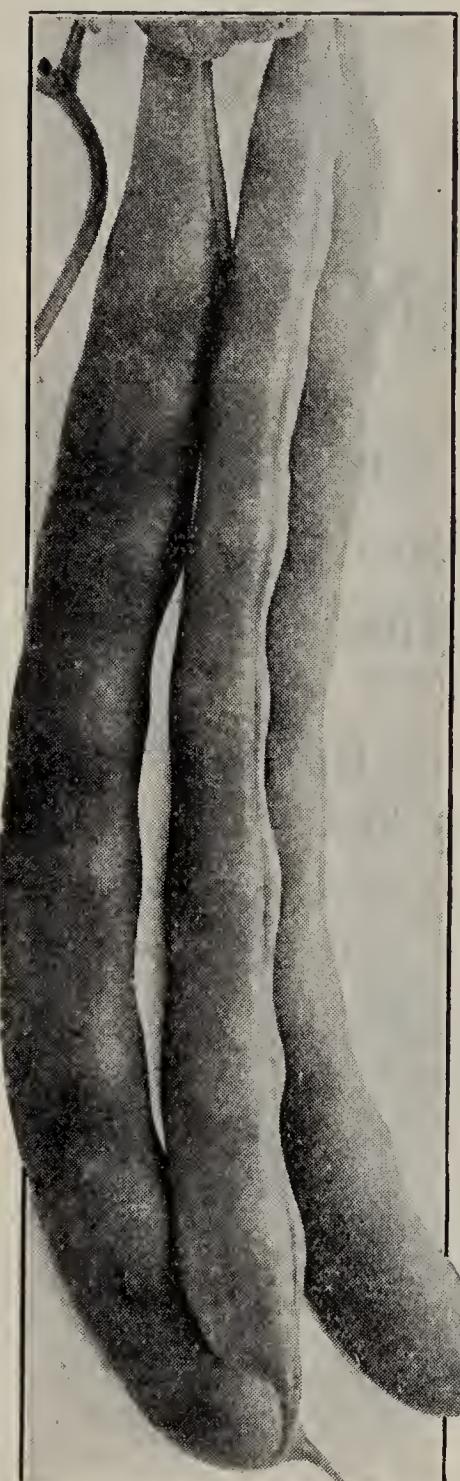
Semesan may be applied in dust or liquid form to the seed before planting. It is harmless to the seed but deadly to disease organisms that may be on the seed. Semesan is such a powerful and effective disinfectant that seed treatment with it is ridiculously low in cost, ranging from $\frac{1}{4}$ c. to 1c. per pound of seed. One ounce treats 15 lbs. of seed. Effective in controlling damping off and such devastating gladiolus diseases as hard rot and scab. Du Bay Semesan succeeds the products sold as Du Pont Semesan and Bayer Uspulun.

Du Bay Seed Disinfectants, like many agricultural chemicals, are poisonous in nature and owing to present Postal Regulations cannot be sent through the mails but must be sent by express or freight.

Treat All Seeds Before Planting with Du Bay Disinfectants

Fresh Vegetables for Home and Market

All of the finest varieties, including those developed by Kendall & Whitney, and other outstanding American seedsmen, now popular among home and market growers everywhere.



Burpee's Stringless Green Pod.



Kentucky Wonder Beans.

Asparagus Seed

An ounce will sow about 60 feet of drill, and produce 200 or more plants.

Culture.—In early spring sow the seed, after soaking it 24 hours in warm water, in drills 1 foot apart, and 1 inch deep. During the summer keep soil mellow and free from weeds, thinning the plants to 4 inches apart. The following spring transplant them into permanent beds that have been deeply dug and highly manured. One ounce to 50 feet of row; 5 pounds per acre.

MARY WASHINGTON. This is a section from the Washington showing a marked improvement in every respect. It is much larger than the ordinary strain and is some earlier. Tips very compact and a rich purplish green. The whole stalk from base to tip is remarkably tender. Pkt., 10c; oz., 30c; 1/4 lb., \$1.00.

Asparagus Roots

The easiest way to obtain an Asparagus bed is to set out the roots. It takes three years to establish one from seed, but with our large, two-year roots a bearing bed may be had in two years. We can furnish, strong, selected roots, of the variety listed, 50 in a bunch at the following prices:

Mary Washington, 2-year-old, per 100, \$2.00.

BEANS—Dwarf or Bush

A succession of sowings can be made from the first week in May until August. Plant about two inches deep, from 18 in. to 2 ft apart, according to richness of soil; the poorer the soil the closer they can be planted; the plants should be about three inches apart. Frequent pickings insure a more prolonged bearing season. Avoid jerking the plants, as it frequently disturbs young feeding roots. Use the finger nails to sever the stems. Do not pick when bushes are wet, as this may cause blight and rust. For succession in the home garden plant 30 feet of row every other week up to August.

Two pounds are sufficient for 100 feet of drill; 90 pounds for one acre. Beans ordered by mail are subject to an extra charge of 8 cents per pound for postage. For larger shipments by mail see rates on page 4.

English Beans

BROAD WINDSOR. Plant as early in the spring as the ground can be worked, from 2 to 4 inches apart, in drills from 24 to 30 inches apart. As soon as the plants are in full blossom, and the lower pods begin to set, pinch off the tops; this will insure the filling of the pods and hasten the maturity of the seed. 1 lb., 35c; 2 lbs., 65c.

ABBREVIATIONS

Ex. Ey.	Extra Early.	F.	Flat.	G.	Green.	No S.	No String
Ey.	Early	T. F.	Thick-flat.	Y.	Yellow.	V. L. S.	Very little string
M. Ey.	Medium early.	S. R.	Semi-round.	M. G.	Mottled green.	S.	String
M.	Medium.	R.	Round.	M. Y.	Mottled yellow.	S. S.	Stout string
M. L.	Medium late.	S. B.	Saddle-back.				

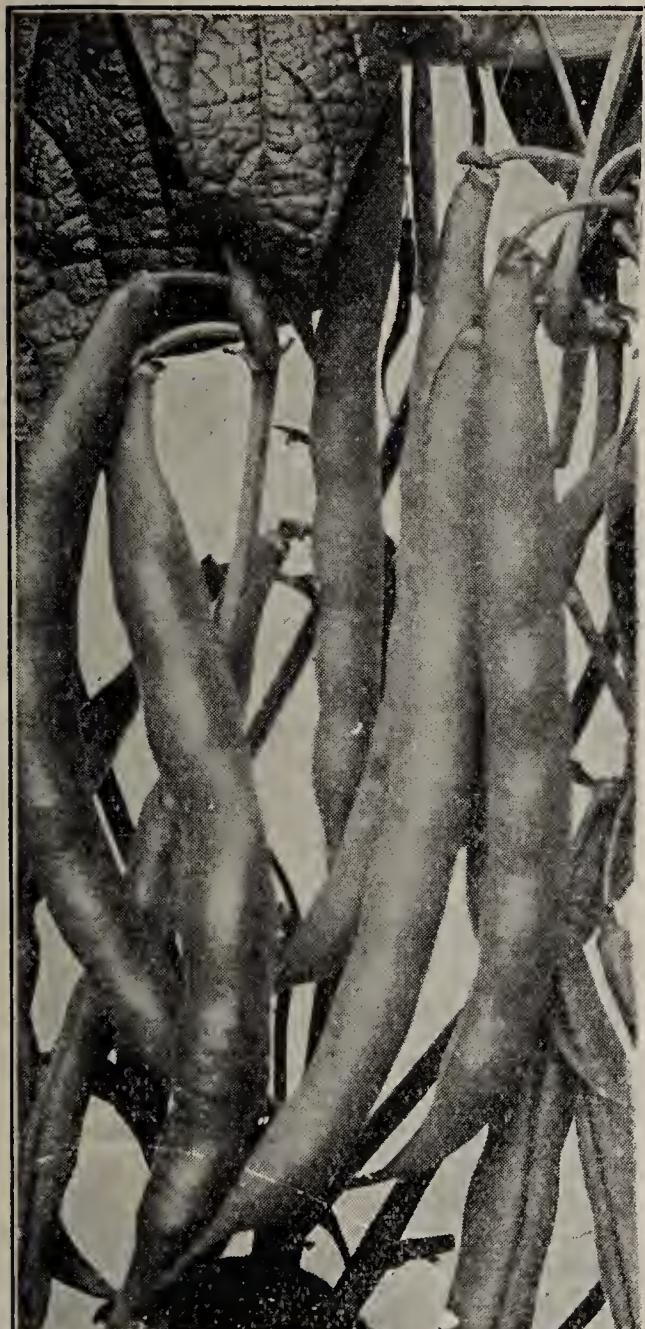
Most flats become thick-flat and most thick-flats become semi-round as they near maturity.

INOCULATE THIS
SEED WITH
STIMUGERM

Variety.	Description.				Price.
	L.	F.	G.	S.	1 lb. 2 lbs. 8 lbs.
Burpee's Bush Lima. For shell bean only.....	L.	F.	G.	S.	\$0.35 \$0.60
Burpee's Stringless Green Pod. Extra fine quality.....	Ex. Ey.	R.	G.	No S.	.30 .50 1.75
Bountiful. Hardy, one of the best.....	Ey.	T. F.	G.	V. L. S.	.30 .50 1.75
Dwarf Horticultural. Good quality, stringless.....	Ey.	T. F.	M. G.	No S.	.30 .50 1.75
Low's Champion. One of the best, either string or shell.....	Ey.	T. F.	G.	No S.	.30 .50 1.75
Long Yellow Six Weeks.....	Ey.	T. F.	G.	V. L. S.	.30 .50 1.75
Improved Refugee. Fine quality, prolific, fine for canning....	M. L.	R.	G.	No S.	.30 .50 1.75
Brittle Wax. Fine, rather delicate.....	Ey.	R.	Y.	No S.	.30 .50 1.75
Black Wax. Superior quality, prolific.....	Ey.	R.	Y.	No S.	.30 .50 1.75
Currie's Rust-proof Wax. Tender and good quality.....	Ey.	F.	Y.	No S.	.30 .50 1.75
Golden Wax, Improved.....	Ey.	T. F.	Y.	No S.	.30 .50 1.75
Golden Wax Keeney's Rustless. Superior quality, almost rustless	Ey.	T. F.	Y.	No S.	.30 .50 1.75
Sure Crop Stringless Wax. Extra quality, stands wet weather well	Ey.	T. F.	Y.	No S.	.30 .50 1.75

Beans—Field Varieties

Variety.	Description.				Price.		
	M. L.	F.	G.	S. S.	1 lb.	2 lbs.	8 lbs.
Kidney, Red. Excellent as shell beans, or for baking.....	M. L.	F.	G.	S. S.	\$0.15	\$0.25	
Pea. Early and productive; for baking.....	Ey.	R.	G.	S. S.	.15	.25	
Yellow Eye. (State of Maine). An improved strain.....	Ey.	F.	G.	S. S.	.15	.25	



Kentucky Wonder Beans.



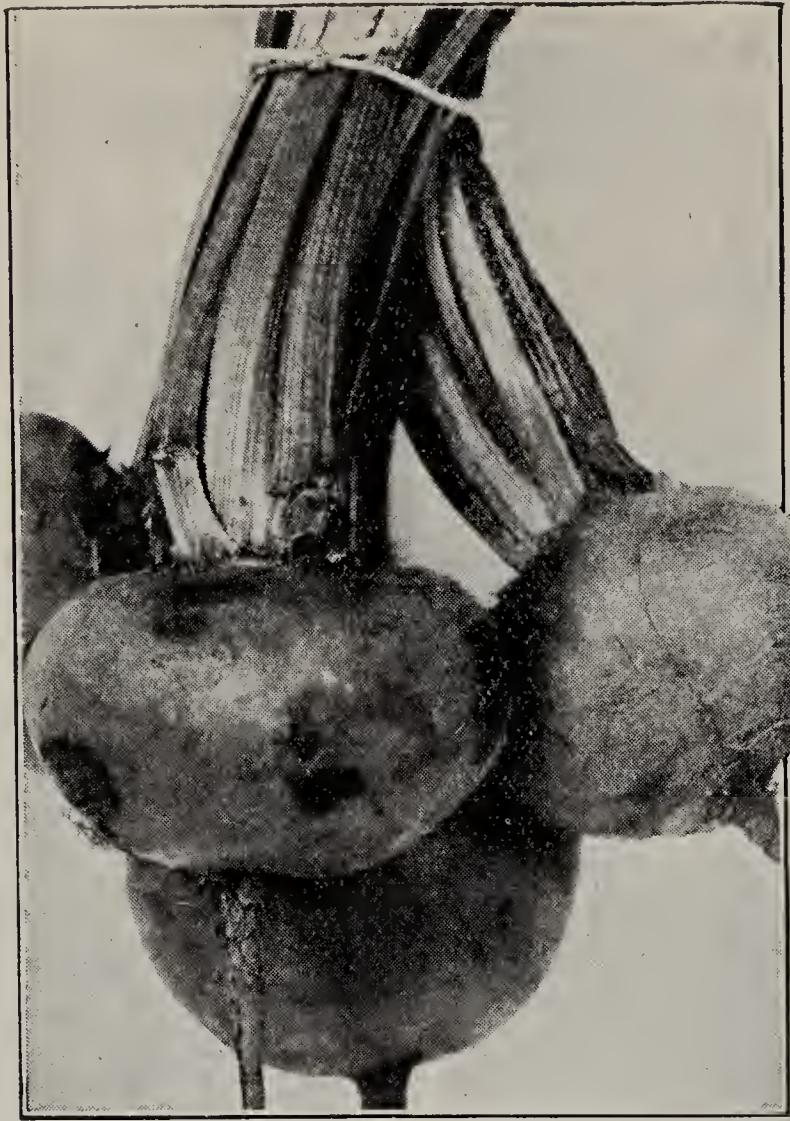
Beans—Pole or Running

The planting of the various sorts of pole beans should be delayed a week or more after the first planting of the early dwarf sorts. They succeed best in sandy loam, which should be liberally enriched with short manure in the hills, which are formed, accord-

ing to the variety, from three to four feet apart; from five to six seeds are planted in each hill, about two inches deep.

Two pounds will plant 150 hills; 20 to 24 pounds to the acre.

Variety.	Description				Price.		
	Ey.	F.	Y.	S.	1 lb.	2 lbs.	8 lbs.
Golden Cluster Wax. Good either as a shell or snap bean.....	Ey.	F.	Y.	S.	\$0.30	\$0.50	\$1.75
Ideal Market. The earliest variety	Ey.	T. F.	G.	No S.	.30	.50	1.75
Kentucky Wonder. Very large pods of fine quality	Ey.	R.	G.	V. L. S.	.30	.50	1.75
Kentucky Wonder Wax. Similar to above with yellow pods....	Ey.	F.	Y.	V. L. S.	.30	.50	1.75
King Horticultural. Good snap or shell bean.....	Ey.	T. F.	G.	V. L. S.	.30	.50	1.75
Lazy Wife's. Very productive and fine flavor.....	M. L.	F.	G.	No S.	.30	.50	1.75
Lima, Large. A fine shell variety.....	L.	F.	G.	S.	.30	.50	1.75
Lima, Small. Earlier and hardier than large Lima.....	L.	F.	G.	V. L. S.	.30	.50	1.75
London Horticultural. Productive; either snap or shell bean....	M. L.	T. F.	G.	V. L. S.	.30	.50	1.75
Red Cranberry. Great favorite; pods large and tender.....	Ey.	R.	G.	V. L. S.	.30	.50	1.75



Detroit Dark Red Beets.

Mangel-Wurzel and Sugar Beet

These beets, which have for a long time been grown abroad by stock raisers and dairymen, can be used to advantage in place of some of the more expensive mill feeds, and should be planted more extensively than they are. For poultry they furnish a valuable winter feed, much relished by the hens. From ten to fifteen tons can be raised on one acre.

Sow in May or June—5 pounds per acre.

ALLEN'S MAMMOTH LONG RED MANGEL-WURZEL. A variety producing roots of mammoth size. Pkt., 10c; 1/4 lb., 30c; 1 lb., 75c.

GOLDEN TANKARD MANGEL-WURZEL. Bright yellow; very productive. Pkt., 10c; 1/4 lb., 30c; 1 lb., 75c.

SUTTON'S PRIZE WINNER MANGEL-WURZEL. Considered to be the very best of the yellow Mangels. The massive roots are of a deep globe shape, very clean in outline, with a single taproot, and carry a comparatively small amount of foliage. This variety may be relied upon to yield a profitable return on practically every class of soil that is capable of growing Mangels, and when stored in good condition the roots keep sound until the following summer. Pkt., 10c; 1/4 lb., 30c; 1 lb., 85c.

LANE'S IMPERIAL SUGAR. A greatly improved variety of the White French Sugar. Pkt., 10c; 1/4 lb., 30c; 1 lb., \$1.00.



Golden Tankard Mangel-Wurzel.

Table Beets

One ounce to 50 feet of drill; 6 pounds to the acre.

The best results are obtained on a deep, rich, sandy loam. For early use sow as soon as the ground will admit, in drills 14 inches apart, and thin to 4 inches; for the main crop; sow the first week in May, and for winter use as late as June. The soil should be deeply manured and well cultivated. In lifting and storing the roots, care must be taken that they are not bruised.

CROSBY'S EGYPTIAN. As early as the Egyptian, shape more round, flesh sweet and tender. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.25.

DETROIT DARK RED. Similar in shape to the Dewing's, of dark red color, with small tops. A favorite with market gardeners. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.25.

DEWING'S BLOOD TURNIP. Of fine form and flavor, blood red. A desirable variety. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.25.

DIRIGO EXTRA EARLY. A rich, blood-red beet of fine grain and flavor, earlier than the Egyptian or the Eclipse. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.25.

EARLY WONDER. A popular variety among market gardeners. It matures very rapidly and is so uniform in growth that the crop can be lifted practically at one time. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.25.

ECLIPSE. This variety is about as early as Egyptian, but larger and of finer quality; color dark crimson. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.25.

EDMAND'S EARLY TURNIP. A variety of handsome round shape. The skin is deep blood red in color, the flesh very dark and exceedingly sweet and tender in quality. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.25.

SWISS CHARD, Lucullus. The leaves of Swiss Chard are used as greens, cooked in the same manner as spinach, and the large ribs are prepared like asparagus, in which manner they are delicious. The "Lucullus" is the largest and the best variety of Swiss Chard. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.25.

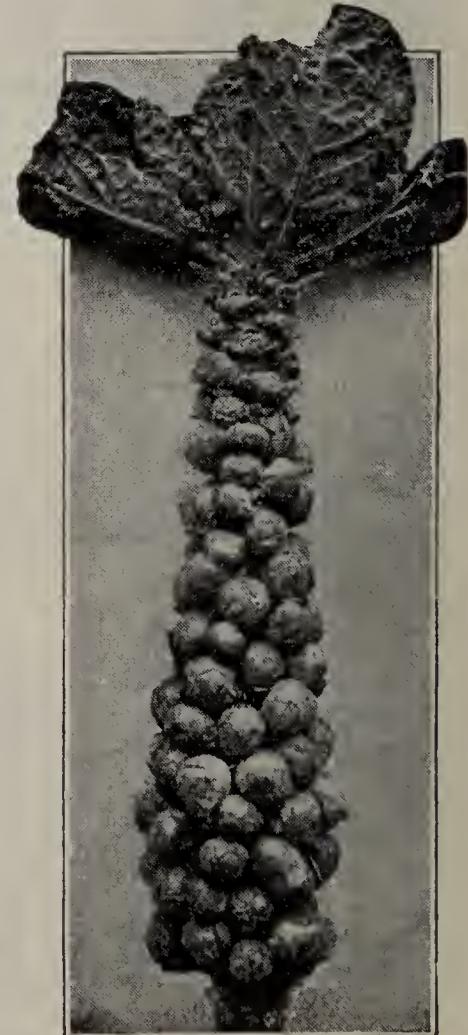
Broccoli

Broccoli is nearly related to cauliflower and may be regarded as a variety of that delicious vegetable. It is hardy and sure to head, but inferior in flavor. It succeeds best in deep, rich, moist soil and in cool weather. Seeds should be sown at the same time and plants receive the same general culture as cabbage.

One ounce of seed will produce about 2000 plants.

PURPLE CAPE. Heads greenish purple; medium size and compact. Pkt., 10c; oz., 60c.

ITALIAN (Early Green Calabrese). A variety much liked by the Italian trade. Forms a fair-sized head; after this is cut, new sprouts grow which form small, loose heads. Pkt., 15c; oz., \$1.10.



Brussels Sprouts

A species of the cabbage family, producing along the stem small sprouts like little cabbages. Grown in the same manner as winter cabbage.

One ounce of seed will produce about 2500 plants.

IMPROVED LONG ISLAND. A variety of excellent quality. Pkt., 10c; oz., 50c; 1/4 lb., \$1.50.

Improved Long Island Brussels Sprouts.

K & W Selected Cabbage

One ounce will produce about 3000 plants; 4 to 5 ounces to the acre.

The Cabbage is one of the most important vegetables, and some of its varieties are universally cultivated. The ground must be highly manured, deeply dug or plowed, and thoroughly worked to insure good, full sized heads. A heavy, moist and fresh loam is the most suitable. The early sorts should be sown very early in the spring in hotbeds, or later in the open ground. 18 inches by 3 feet apart is the common distance.

ALL SEASON. Larger than Henderson's Early Summer, nearly as early; very solid and sure heading. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.25.

COPENHAGEN MARKET. One of the best large, round head, early cabbages in cultivation, the type being thoroughly fixed and nearly all the heads maturing at the same time. The plant is short-stemmed; heads, set near the ground, and are solid, with a small core, and of fine quality. One of the very best early cabbages for market gardeners. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.50.

DANISH BALLHEAD. (Imported). Heads round and solid. A good winter variety. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.25.

DANISH BALLHEAD. (Cape Elizabeth grown). A valuable, round, solid winter variety. Is a long keeper and profitable for shipping, keeping long after other sorts have gone. This particular strain is the result of years of selection, and is in great demand by those who appreciate the best. The slight increase in price over the regular seed is more than offset by the increased yield. Pkt., 10c; oz., 60c; $\frac{1}{4}$ lb., \$2.25.

EARLY JERSEY WAKEFIELD. A standard early variety for home use or market. Heads somewhat pointed. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.25.

EXTRA EARLY COPENHAGEN MARKET. An improvement on the Copenhagen Market, being equally good and earlier. Pkt., 10c; oz., 60c; $\frac{1}{4}$ lb., \$2.00.

GOLDEN ACRE. The earliest round-headed variety. Pkt., 15c; oz., 60c; $\frac{1}{4}$ lb., \$2.00.

HENDERSON'S EARLY SUMMER. One of the earliest of large cabbages, coming in but a few days later than the Wakefield; heads of large size, very solid and compact. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.25.

IMPROVED AMERICAN SAVOY. Very sweet and tender; good-sized, firm heads; very reliable and much esteemed for family use. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.25.

MAMMOTH RED ROCK. Used almost exclusively for pickling. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.25.

PE-TSAI (Chinese Cabbage). Grows similar to Cos lettuce. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.25.

Cauliflower

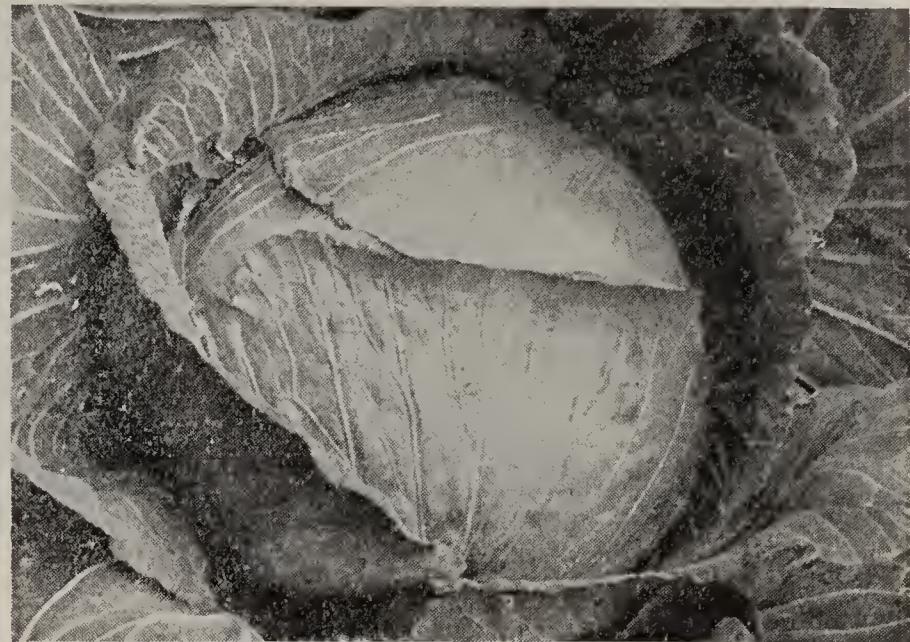
One ounce will produce about 2,500 plants.

Any soil that will grow cabbages will grow cauliflower, as the requirements are almost similar, but as the product is more valuable extra manuring and preparation of the soil will be repaid. The seeds may be sown in a hotbed in March or April, and transplanted to open ground about the first of May.

Cauliflower plants ready about May 15th.

HENDERSON'S EARLY SNOWBALL. One of the best early sorts. Very reliable and grown largely for the market. Pkt., 10c; oz., \$2.50.

SUPER SNOWBALL NO. 7. Seed grown in Denmark. Large, solid head, good for early, medium, or late planting. Pkt., 15c; oz., \$3.00.



Copenhagen Market Cabbage.

Choicest Carrots

One ounce to 100 feet of drill; 3 to 4 pounds to the acre. Carrots require a very finely pulverized soil to grow them to perfection.

A good, light and well-enriched sandy loam is the best for this crop. For field culture, sow in drills, 2 to 2½ feet apart, and for table use sow the smaller varieties in rows 16 to 18 inches apart. For early crops, cover one-half an inch deep and thin to 3 inches apart, in rows; for late, cover three-fourths of an inch deep and thin to four inches.

CHANTENAY. A choice variety, longer than the Scarlet Horn, and a little broader at the top. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

DANVERS CARROT. Bagley Strain. This is a cylindrical shaped carrot, 8 to 10 inches in length, which grows wholly in the ground and is very attractive. Probably the heaviest yielding strain on the market. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

DANVERS HALF-LONG CARROT. In form it is midway between the Long Orange and Scarlet Horn. The root is of a rich, dark orange color and grows very smooth. Very productive and keeps well. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

EARLY MARKET. A thick, stump-rooted early variety, of a brilliant color, broad at the top, gradually getting smaller towards the root, which is blunt. An excellent market sort. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

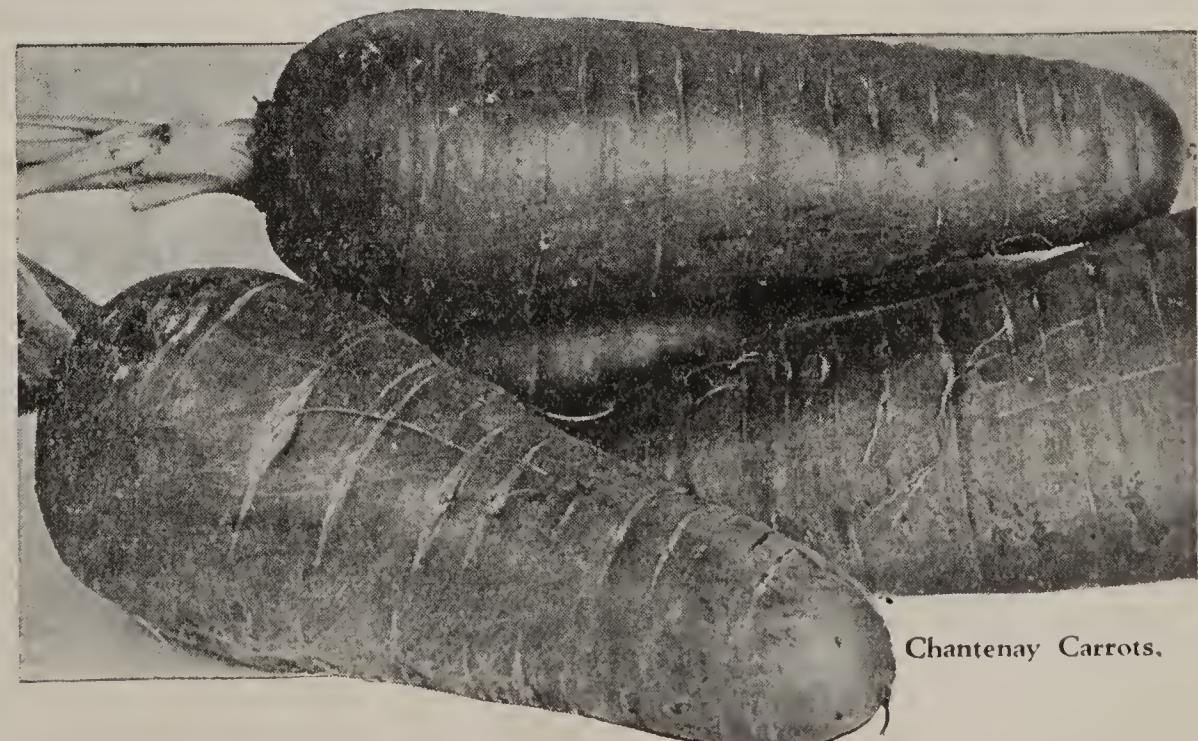
HUTCHINSON. An improved strain similar to the Danvers, but of a larger size. It is of excellent quality, and in great favor with market gardeners who find it a ready seller on account of its attractive appearance. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

IMPROVED LONG ORANGE. The best late variety. Roots of large size, heavy cropper; an excellent keeper. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

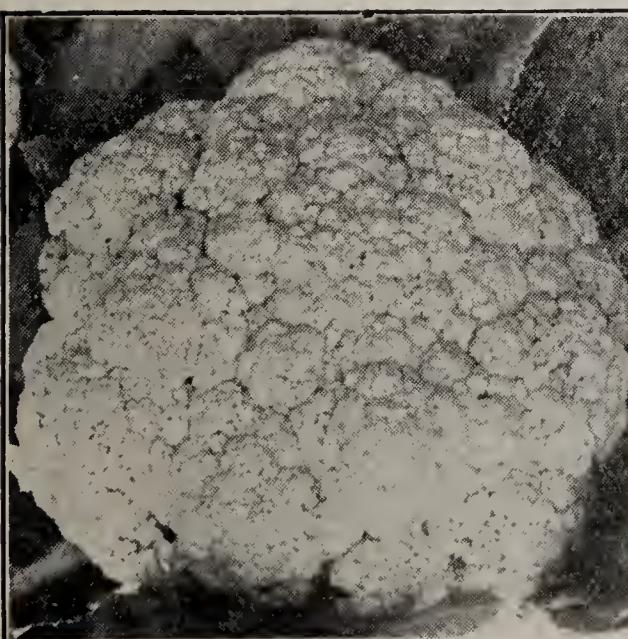
ASGROW IMPERATOR. New. Tops medium, flesh rich orange, with indistinct core, length 7 to 8½ inches, fine quality, and outstanding market variety. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

NANTES. Early, roots almost cylindrical, very smooth, and grows about 6 inches long; the flesh is entirely red, very sweet, and almost without a core. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

OXHEART. Very sweet and thick, short and fine grained. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.



Chantenay Carrots.



Henderson's Early Snowball Cauliflower.



Golden Self-Blanching Celery.

Sweet or Sugar Corn

One pound to 125 hills; 20 pounds to the acre.

The sweet or sugar varieties, being liable to rot in the cold, wet ground, should not be planted before the middle of May, and for a succession continue planting every two weeks until July, in rich, well manured ground, in hills three feet apart each way, covering about an inch, and thin out to three plants to a hill, or plant in rows four feet apart, and to stand eight inches in the rows. Corn ordered by mail is subject to an extra charge of 8c per pound for postage.

Early Varieties

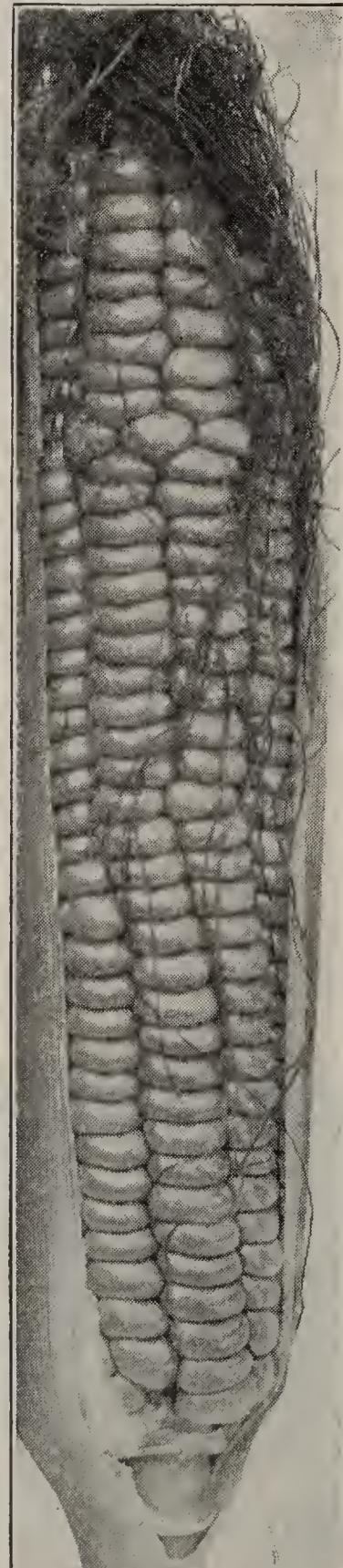
GOLDEN SUNSHINE. Of a rich, golden yellow with ears about one inch longer than the Golden Bantam and with 12 rows. Very early, being about 7 days earlier than the Golden Bantam. Pkt., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; $1\frac{1}{2}$ lbs., \$2.00.

WHIPPLE'S EARLY YELLOW. A remarkable new yellow sweet corn of much merit. While the stalks grow 6 feet or more in height and the 14-rowed ears are 7 to 8 inches in length, this variety matures three days earlier than Golden Bantam. The kernels are broad, deep and excellent quality. Pkt., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; $1\frac{1}{2}$ lbs., \$2.00.

EARLY CROSBY. An excellent early variety. The ears are five to six inches long and the grains are white, sweet and tender. Pkt., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; $1\frac{1}{2}$ lbs., \$2.00.

GOLDEN BANTAM. An early variety. The ears are medium size, but thickly set with delicious yellow kernels. The quality of this variety is superb, and it has become a general favorite sweet corn with all who have tried it. Golden Bantam has a flavor distinct from other sorts, and if you have never tried it in your garden, you should plant it this year. Pkt., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; $1\frac{1}{2}$ lbs., \$2.00.

EARLY SURPRISE. The earliest white sweet corn under cultivation. The stalk is about 4 feet tall and the ears run 8-, 10- and 12-rowed and very large for such an early maturing sweet corn. Pkt., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; $1\frac{1}{2}$ lbs., \$2.00.



Golden Bantam Sweet Corn.

K & W Celery

One ounce of seed produces about 4,000 plants.

To have Celery early it should be sown in a hotbed, quite early in the Spring, and when three inches high plant out in a well-prepared bed, which must be covered in frosty weather. For the principal crop sow early in the Spring, very shallow in the seed box, and when the plants are about six inches high, transplant them six inches apart into trenches for blanching. Dig the trenches four feet apart, a foot wide, and ten inches deep. Fill in five or six inches of well-rotted manure, and mix thoroughly half a spade deep with the earth at the bottom. The tops of the plants should be shortened before they are set. Earth up to blanch three or four times during their growth, taking care that no earth falls in the center of the plant.

BOSTON MARKET. A favorite variety, remarkable for its tender, crisp and succulent stems, and its peculiarly mild flavor; keeps well. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

GOLDEN SELF-BLANCHING. A fine solid variety of a beautiful waxy, golden color; very thick stalks of excellent flavor; growth close, compact and of medium height. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

HENDERSON'S WHITE PLUME. Crisp, solid, and possessing a sweet, nutty flavor; requires very little labor in blanching. Very early and handsome. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

GOLDEN PLUME, OR WONDERFUL. A large early variety of fine appearance and quality, easy to blanch, and a good keeper. Pkt., 15c; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00.

PARIS GOLDEN. Plants are stocky and full hearted, vigorous in growth and easily blanched. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

SOUP CELERY (Not for sowing). Used for flavoring pickles, soup, etc. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c.



Sweepstakes Ensilage Corn.

Field and Ensilage Corn

(56 pounds to the bushel.)

EARLY YELLOW CANADA. The variety most widely grown in northern New England. An early eight-rowed flint corn, with handsome ears and comparatively small cobs, filled to the tips with large, broad kernels.

EARLY SANFORD (Ensilage). Very early; ears white; excellent for fodder and ensilage.

EARLY EUREKA (Ensilage). One of the tallest and best varieties of ensilage corn, producing a large amount of fodder to the acre.

IMPROVED LEAMING (Ensilage). An early, very productive variety. One of the best for ensilage; profitable as a green fodder.

RED COB (Ensilage). A pure white corn. Is tender and juicy, has short joints, and grows to a great height, with an abundance of leaves.

SWEEPSTAKES (Ensilage). We recommend this as the best ensilage corn we know of, because of its earliness and the great amount of ensilage which it produces, as high as twenty to twenty-five tons to the acre. When many varieties of ensilage corn are just beginning to form ears, Sweepstakes corn shows good-sized ears. As all of our Sweepstakes corn has been run through a three-eighths inch screen, you get only large, plump kernels which test ninety per cent germination or better, and as twelve quarts of corn will plant an acre sufficiently thick to give the best results, the prices of seeding an acre is not greatly more than if using a cheaper corn, and the yield will be much larger.

Choice Cucumbers

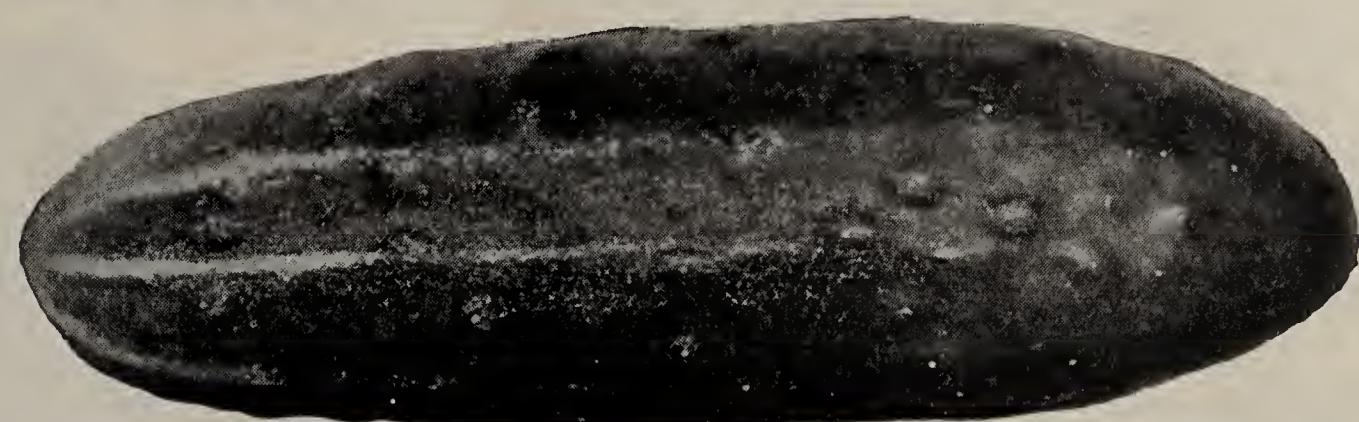
One ounce to 50 hills; 2 pounds to the acre.

The Cucumber is a tender annual, and therefore should not be planted or set out in the open air until there is a prospect of continued warm and pleasant weather. Cucumbers succeed best in warm, moist, rich, loamy ground. The hills should be four or five feet apart in each direction. When all danger from insects is past, leave but three or four of the strongest plants in the hill.

Dusting with Bug Death will be found effective for the cucumber beetle, and spraying with Black Leaf 40 or Ever Green for the aphis.

BOSTON PICKLING. The finest variety to grow for pickles; yields large crops; short, straight, and dark green. Pkt., 10c; oz., 25c; 1/4 lb., 75c; lb., \$2.50.

CLARK'S SPECIAL. An outstanding shipping variety holding its color and firmness when shipped long distances. Color, dark green, medium length, very smooth with few white spines. Pkt., 10c; oz., 25c; 1/4 lb., 75c; lb., \$2.50.



White Spine Cucumber.

DAVIS PERFECT. The cucumbers grow long and slim, sometimes measuring twelve inches in length. The color is a rich, dark, glossy green, which they hold until nearly ripe. Very tender and of fine flavor. Pkt., 10c; oz., 25c; 1/4 lb., 75c; lb., \$2.50.

EARLY FRAME. An early standard variety, about five inches long. Pkt., 10c; oz., 25c; 1/4 lb., 75c; lb., \$2.50.

EARLY FORTUNE. A prime favorite with market growers because of its extra earliness and the fine deep green color which it holds long after picking. The shape is uniform and the quality all that could be desired. Pkt., 10c; oz., 25c; 1/4 lb., 75c; lb., \$2.50.

EARLY GREEN CLUSTER. Grows in clusters, early and productive. Pkt., 10c; oz., 25c; 1/4 lb., 75c; lb., \$2.50.

EARLY RUSSIAN. The earliest variety. Pkt., 10c; oz., 25c; 1/4 lb., 75c; lb., \$2.50.

IMPROVED WHITE SPINE. Superior for table use; very productive; medium size, straight and well formed. Pkt., 10c; oz., 25c; 1/4 lb., 75c; lb., \$2.50.

JAPANESE CLIMBING. Quick, strong-growing vines, which may be trained upon a trellis or poles. Fruit from 12 to 16 inches in length, skin dark green, flesh pure white, crisp and of fine flavor. Pkt., 10c; oz., 25c; 1/4 lb., 75c; lb., \$2.50.

LEMON. A distinct type; nearly round, with the yellow and green markings and smooth skin of the lemon, white flesh is exceedingly tender, crisp and sweet. Pkt., 10c; oz., 25c; 1/4 lb., 75c; lb., \$2.50.

LONG GREEN. Long and crisp; a popular and reliable variety for pickling and table. Pkt., 10c; oz., 25c; 1/4 lb., 85c; lb., \$2.75.

WEST INDIA GHERKIN. Small, prickly variety, grown exclusively for pickling. Pkt., 10c; oz., 25c; 1/4 lb., 75c; lb., \$2.50.

WHITE WONDER. A new variety. Very handsome, with ivory white fruit. Pkt., 10c; oz., 25c; 1/4 lb., 75c; lb., \$2.50.



Boston Pickling Cucumbers.

Swiss Chard

Swiss Chard is sometimes called Sea Kale beet. After once having used Swiss Chard for greens, we believe your garden will always have at least a row of it, for it is delicious. The leaves are used as greens, and served like spinach. The midribs may be cooked like asparagus. Cuttings may be made all summer, as it can be cut down to the ground and new shoots will soon spring up and make fast growth.

LUCULLUS. Largest and best variety. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.25.



Swiss Chard.

Chervil

Sow thinly in May, in drills half-inch deep, one foot apart.

CURLED CHERVIL. An aromatic sweet herb. The young leaves are used in soups and salads. Pkt., 10c; oz., 25c; 1/4 lb., 85c.

Cress - Peppergrass

One ounce will sow about 100 feet of drill.

A well-known salad. Requires to be sown thickly and covered very slightly. Sow at frequent intervals to keep up a succession, as it soon runs to seed.

EXTRA CURLED. Very fine; may be cut two or three times. Pkt., 10c; oz., 20c.

WATER CRESS. A hardy perennial aquatic plant, growing in water along the margins of streams. Pkt., 10c; oz., 60c.

Chicory

One ounce to 100 feet of drill.

LARGE ROOTED. Used to mix with or as a substitute for coffee. The roots are taken up, washed, cut in small pieces and carefully dried before being used. Cultivation same as carrot. Pkt., 10c; oz., 35c; 1/4 lb., \$1.25.

Dandelion

One ounce to 150 feet of drill; 1 pound will sow an acre.

A hardy perennial plant, with broad thick leaves affording one of the earliest as well as one of the most healthful of spring greens. Sow as early as the weather will permit, in good, well-enriched soil, in rows twelve inches apart, covering seed one-fourth of an inch deep, the earth firmly pressed over the seed.

ARLINGTON THICK-LEAVED. The thickness of the leaf and dark green color make it especially desirable. Pkt., 15c; oz., \$1.00.

IMPROVED FRENCH THICK-LEAVED. One of the best varieties. Pkt., 10c; oz., 55c; 1/4 lb., \$1.75.

Eggplant

One ounce will produce 1,000 plants.

The Eggplant will thrive well in any good garden soil. Sow in the hoed bed and when two or three inches high prick out into pots, or rows two and one-half to three inches apart. When the weather will permit, transplant into good, rich soil, thirty inches apart each way.

NEW YORK IMPROVED LARGE PURPLE. Most popular variety. The fruit is large, nearly round, dark purple and of excellent quality. Pkt., 10c; oz., 65c.

Lettuce for the Home Table

One ounce to 125 feet of drill.

Lettuce thrives best in rich, moist ground. Sow the seeds in hotbeds in February or March, and transplant into a sheltered border with a southern exposure. For successive crops, sowing may be made in the open ground as early as spring opens and continue until July. Transplant or thin plants to stand eight to twelve inches apart.

The Loose Leaf Varieties

GRAND RAPIDS. This sort is the best and most popular loose-leaved lettuce, being of quick growth. Fine for greenhouse forcing and hardy. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

BOSTON CURLED. A variety of great beauty and of very superior quality. Leaves beautifully curled, attractive on table. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

The Heading Varieties

BIG BOSTON. Fine for forcing in cold frames and for planting in open ground. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

CRISP AS ICE. Medium-sized heads, very crisp and of fine flavor. Outside leaves tinged with bronze, inside creamy yellow. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

HANSON. Heads very large, solid, tender, crisp and of fine flavor; color beautiful green outside and white within. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

ICEBERG. A large-heading variety; crisp and brittle, and color light green, lightly tinged with brown on top of head; leaves curled on the edges. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

MAY KING. Very early, medium size and tender; heads light green with center leaves tinged with brown and the hearts clear yellow. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.



New York or
Wonderful Lettuce.



Boston Curled Lettuce.

Endive

One ounce will sow 150 feet of drill.

For early use, sow in May, scattering the seed thinly in drills ten inches apart, covering it lightly, and for a succession, every two or three weeks until midsummer. The plants must be blanched before using, which is accomplished by gathering the large leaves to a point at the top and tying them together.

BROAD-LEAVED BATAVIAN (Escarolle). Variety having wide, thick leaves, straight at the edges and curved toward the center. Color, dull green. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c.

GREEN CURLED. Has curly leaves, the outer edges being much indented and crested. An attractive plant and one of the best varieties. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c.

Kale (Borecole)

One ounce to 150 feet of drill.

Sow early in May in a prepared bed, covering the seed lightly. Transplant in June, in rows three feet apart and two feet apart in row, and treat in the same manner as for cabbage. Kale is improved by a little frost, giving it a more delicate flavor.

GREEN CURLED SCOTCH. A round, dwarf variety, rarely exceeding eighteen inches in height, but spreading out under good cultivation to three feet in diameter. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

MIGNONETTE. Small, compact, creamy yellow heads tinged outside with russet; of superior quality, sweet, crisp and tender, very early and hardy, excellent "all season" variety. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

NEW YORK OR WONDERFUL. This is one of the best summer lettuces. It resists the hot weather, is very slow to run to seed, and is a sure header under the most trying conditions. The outer leaves are of a green color, the inner ones blanched to a creamy white; crisp, tender, delicious and sweet. The heads often measure 15 inches. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

PRIZE HEAD. One of the very best varieties, making a loosely formed head. Color bright, tinged with brownish red; very curly and of remarkably fine flavor. Grows quickly and all except the outer row of leaves are very brittle. It is probably the most easily grown lettuce in cultivation. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

TENNIS BALL, BLACK SEEDED. Popular for open air culture; heads compact, crisp and tender. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

Romaine Lettuce

WHITE PARIS COS (Romaine). A sort with long, narrow, upright leaves; does not head, but when tied up blanches very easily. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

Kohl-Rabi (Turnip-rooted Cabbage)

One ounce will sow about 200 feet of drill.

A vegetable intermediate between the cabbage and turnip. The edible part, the bulb, grows on a stalk a few inches above the ground. It is best cultivated by sowing the seeds in rows in May, June and July, according to latitude. Rows should be sixteen to eighteen inches apart and plants six inches apart in rows.

EARLY PURPLE. Flesh white, skin purple. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

Leek

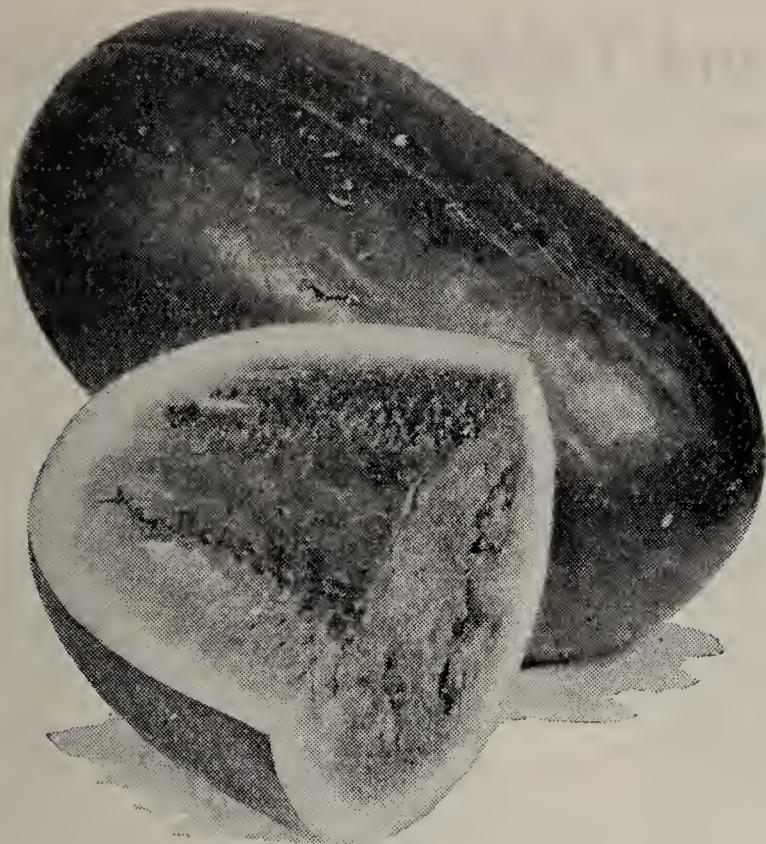
One ounce of seed to 150 feet of drill.

The Leek is very hardy and easily cultivated. It succeeds best in a light, well-enriched soil. Sow as early in the spring as practicable, in drills one inch deep and one foot apart. When six or eight inches high they may be transplanted in rows ten inches apart each way, as deep as possible, that the neck, being covered, may be blanched.

LONDON BROAD FLAG. A large variety with broad leaves. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c.



London Broad Flag Leek.



Mountain Sweet Watermelon.

Watermelon

One ounce for 30 hills, 4 to 5 pounds to the acre.

Plant in hills eight feet apart and cultivate same as Muskmelon.

CITRON. The standard variety for preserves. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c.

COLE'S EARLY. An extra good variety for growing in the northern states as it matures early. Large heart, flesh of fine texture and good flavor, rind thick. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c.

MOUNTAIN SWEET. An old and reliable sort; flesh red. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c.

PEERLESS OR ICE CREAM. Very early, of medium size, and one of the best for growing in the north. A short oblong in form, rind thin, light green, knotted and finely veined with a darker shade; flesh bright scarlet and very sweet; seeds white. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c.

Okra (Gumbo)

One ounce will sow 40 feet of drill.

Sow about the middle of May, when the ground is warm, in hills about 3 feet apart; cover seed one-half inch and thin plants to three in a hill. Keep ground well hoed and earth up around plants to support them. Gather pods while young and tender. Excellent for soups, stews, etc., to which they impart a rich flavor.

IMPROVED DWARF GREEN. An early dwarf and prolific variety, with thick green pods. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c.

Onions for the Home Garden

One ounce to 100 feet of drill, 5 pounds to the acre.

A good crop is impossible unless the soil is very rich and kept clean. Use well-rotted manure freely, and get the crop in as soon as possible in the spring, no matter if the weather is cold and unpleasant. Sow in drills one foot apart and cover about one-third of an inch, treading or rolling after sowing, so that the hot, dry atmosphere may not dry up and destroy the sprouting seed. As soon as the plants can be seen in rows give a shallow working, followed in a few days by another working as close to the plant as possible, and after this a thorough hand weeding. Cultivate if possible, once a week, and remove by hand any weeds that appear. As soon as the tops die and fall the bulbs may be pulled and placed in small windrows, turning often. Cut off

the tops half-inch from bulbs and store in crates, under cover, in a uniform temperature a little above freezing.

EXTRA EARLY RED GLOBE. Ten days earlier than the Wethersfield, of medium size and deep, rich color; an abundant producer and of good flavor, keeping well. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

YELLOW GLOBE DANVERS. Extra choice seed, grown from bulbs, especially and carefully selected as to shape; the most popular of all the yellow onions for market and home use. A heavy cropper, good keeper, and of fine, mild flavor. A profitable variety for market gardeners. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

LARGE RED WETHERSFIELD. Large size, productive and a good keeper. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

NEW QUEEN. A silver skinned variety of quick growth and remarkable keeping quality. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

PRIZETAKER. Large, pale yellow skin; flesh white; mild flavor. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

Onion Sets

Onion sets should be planted near the surface as early in the spring as the ground will permit, in drills about 12 inches apart and four inches in the rows. They produce a very early and profitable crop, and grow in any good soil.

JAPANESE ONION SETS. This onion gives a greater yield than any onion set on the market, besides being a good keeper and of fine flavor. Lb., 25c; 8 lbs., \$1.65.

WHITE ONION SETS. Ready in April. Lb., 25c; 8 lbs., \$1.65.

Muskmelon

One ounce to 60 hills; 2 to 3 pounds for an acre.

Melons thrive best in a moderately enriched, light soil. The hills should be six feet apart each way. After all danger of frost is past, plant twelve or fifteen seeds in each hill, and when well up thin out to three or four plants.

BENDER'S SURPRISE. Very popular variety in the East. A very delicious, large, salmon flesh melon with superior shipping and keeping qualities. Medium early. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c.

EMERALD GEM. Medium size; flesh rich salmon, of delicious flavor and superior quality; early and prolific. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c.

HONEY DEW. The delicious, honey-like flavor of this new melon met with instantaneous public favor and created a sensation wherever used. The fruit is good sized, weighing 8 to 10 pounds; light colored, smooth skin; thick green flesh. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 75c.

LARGE ROUND YELLOW CANTALOUP. Flesh reddish-orange, sweet and of good flavor; an early and productive variety. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c.

ROCKY FORD. Flesh green; medium size; oval shaped. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c.

Mustard

One ounce to 40 feet of drill.

A pungent salad used with cress. The seed is used for flavoring pickles, etc. Sow in May thickly in rows and cut when two or three inches high.

BROWN. More pungent in flavor than the white. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

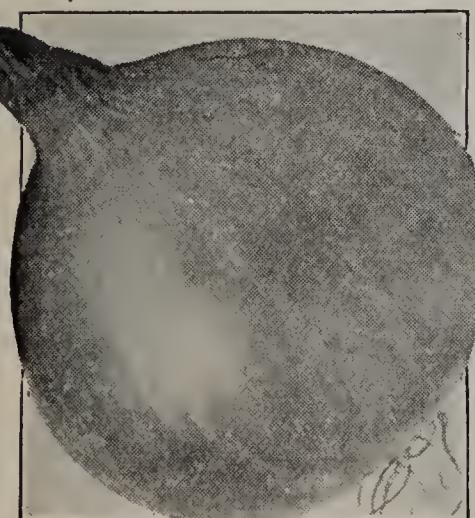
WHITE LONDON. Mild flavor. Best for salads. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Mushroom Spawn

One pound of spawn is sufficient for a bed 2 by 6 feet.

Mushrooms may be grown in a warm cellar or shed in winter, or in the open air in summer. Take partially dry, fresh coarse manure and lay it in a heap to ferment; turn and mix it well every few days, and when well fermented it may be made into a bed, mixing it well together and beating or treading it firmly. Use a thermometer to thrust into the bed, and note the temperature. When the heat has partially subsided leaving a temperature of 70 to 80 degrees, put in the spawn, which may be inserted in pieces the size of a walnut, about two inches deep and six inches apart. After about two weeks, cover with fresh soil about two inches deep and beat it down evenly and firmly. Finish off with a covering of clean straw or hay about a foot thick. If the temperature is right, mushrooms will begin to come up in about six or eight weeks, and the bed will continue bearing for about a month.

Pure Culture Brick Spawn. No. 9 White, per brick, 40c; per 5 bricks, \$1.50.



Yellow Globe Danvers Onion.



Bender's Surprise Muskmelon.

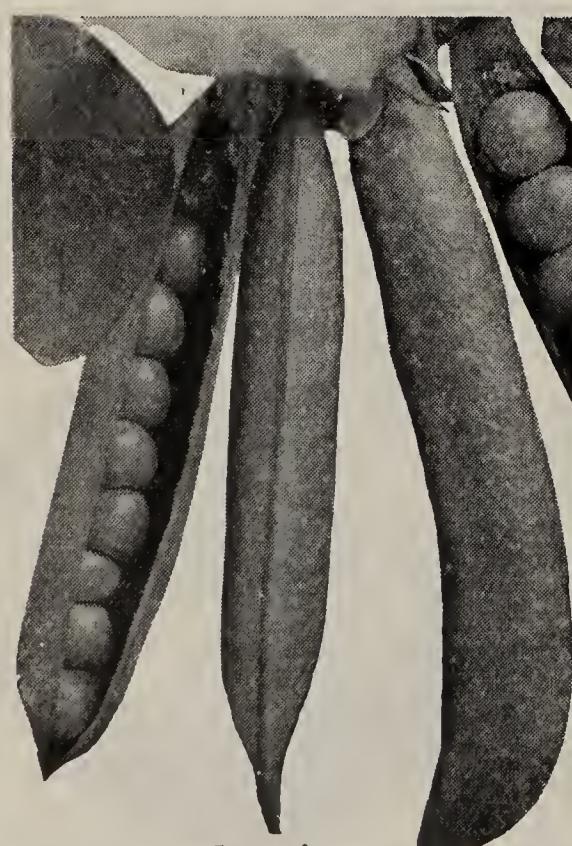
Peas for Canning and Table

Two pounds will plant 75 to 100 feet of drill; from 84 to 112 pounds to the acre.

Peas, for an early crop, should be sown as soon as the ground is in working condition. The soil for their reception should be light, dry and well sheltered. Mild manure has a beneficial effect, but for many of the varieties the soil cannot be too rich. For general crops the ground should be well-manured the previous year, which causes them to yield more abundantly. When

grown as a market crop, peas are never staked, and are grown in single rows, two or three inches deep, and from 2 to 3 feet apart, according to the variety or strength of the soil. When grown in small quantities for private use, they are generally sown in double rows, six or eight inches apart and the tall varieties staked up by brush.

Variety.	Height of Vine.	Length of Pod.	Days to First Pick'g.	Color of Vine	Shape of Pod.	Qual- ity.	Price.
Extra Early							
Blue Bantam	20	4½	77	Med. dark green	Pointed	Fine	1 lb. \$0.30
Early Eight Weeks . . .	14	3	55	Dark green	Blunt	Good	2 lbs. .30
Early Morn.	36	4	73	Med. light green	Med. pointed	Fine	14 lbs. .30
Gradus	36	4	73	Med. light green	Med. pointed	Fine	.50
Laxtonian	19	4½	76	Med. dark green	Med. pointed	Fine	3.00
Laxton's Progress . . .	18	4	72	Med. dark green	Pointed	Fine	.30
Little Marvel	18	3½	76	Med. dark green	Blunt	Fine	.50
Nott's Excelsior	15	3	72	Med. light green	Blunt	Fine	3.00
Peter Pan	18	4	76	Med. dark green	Pointed	Fine	.30
Sutton's Excelsior . . .	18	4	78	Med. dark green	Blunt	Fine	.50
Sutton's Pioneer	16	4	76	Dark green	Pointed	Fine	3.00
Thomas Laxton	32	3¾	73	Med. light green	Blunt	Fine	.30
World's Record	36	4	69	Med. light green	Med. pointed	Fine	.50
Second Early							
Bliss' Everbearing . . .	36	3	80	Light green	Blunt	Fine	.30
Dwarf Telephone	30	4¾	79	Med. light green	Med. pointed	Fine	.50
General and Late Crop							
Admiral Dewey	60	4¾	87	Dark Green	Pointed	Fine	.30
Carter's Telephone (Imp. dark pod) . . .	63	4½	83	Dark green	Pointed	Fine	.50
Carter's Quite Content .	48	4½	83	Dark green	Pointed	Fine	3.00
Mammoth Sugar (Edible pods)	48	4	95	Med. green	Med. pointed		.35
Field Varieties							
Black-Eyed Marrowfat .	48	3½	98	Light green	Blunt	Fine	15 lbs. \$2.40
White Canada	48	3	95	Light green	Blunt	Poor	60 lbs. 1.25
White Marrowfat	48	3½	98	Light green	Blunt	Fine	5.00
							2.40
							9.00



Laxtonian.



Dwarf Telephone.



Telephone.



Large Bell Peppers.



Mammoth King Pumpkin.



Early Scarlet Globe Radish.

Pepper

One ounce of seed will produce about 2,000 plants.

Grown largely for pickles. Sow in hotbeds early in April and transplant to the open ground when the weather is warm and settled. The rows should be two feet apart and the plants fifteen inches apart in the rows. Rich, warm, mellow soil.

LARGE BELL. Large and mild flavor; ripens bright red. Used for stuffed peppers. Pkt., 10c; oz., 50c.

LONG RED CAYENNE. Bright red; very productive; the flesh very pungent. Pkt., 10c; oz., 50c.

MONSTROUS SWEET SPANISH. A very attractive, red, sweet pepper. The plants are about two and one-half feet high, upright, very compact, vigorous and productive. The fruits are very large and long, frequently seven inches in length and about two inches in diameter, with very thick, mild flesh of excellent quality. The color is deep green when fruit is young, rich red when ripe. Pkt., 10c; oz., 50c.

SWEET MOUNTAIN OR MAMMOTH. Similar to the Bell, but larger. Pkt., 10c; oz., 50c.

Parsley

One ounce to 150 feet of drill.

Parsley seed germinates very slowly, taking two to four weeks to come up; hence, if wanted early, no time should be lost by delaying the sowing; make the rows 12 to 14 inches apart. Thin to 3 or 4 inches apart, or transplant at this distance. Can be sown in hotbeds in February or later in open ground. Late in autumn place glass frames over some of the plants to lengthen out the season of cutting. For garnishing purposes nothing equals parsley; it is also used in salads, soups, etc. Any good soil is suitable for growing this plant.

EXTRA DOUBLE CURLED. Pkt., 10c; oz., 15c; 1/4 lb., 45c.

Pumpkin

One ounce for 20 to 25 hills; 3 pounds for an acre.

Same cultivation as for cucumbers and melons.

CONNECTICUT FIELD. Large, used for stock. Pkt., 10c; oz., 15c; 1/4 lb., 35c; lb., \$1.00.

MAMMOTH KING. The best large pumpkin in use. Immense, globular shape, flattened a little at the end. Skin reddish yellow in color, and flesh rich orange. This is unquestionably the best mammoth pumpkin, running very uniform in shape and color. Pkt., 10c; oz., 15c; 1/4 lb., 45c; lb., \$1.50.

MAMMOTH TOURS. Grows to enormous size, frequently weighing from 100 to 150 pounds. Oblong in shape, and is mainly used for feeding stock. Pkt., 10c; oz., 15c; 1/4 lb., 45c; lb., \$1.50.

QUAKER PIE. A creamy-white, pear-shaped pumpkin of rich flavor and a good keeper. Pkt., 10c; oz., 20c; 1/4 lb., 60c; lb., \$2.00.

SUGAR OF NEW ENGLAND PIE. For making pies this variety cannot be excelled. The pumpkins are small, but very sweet, fine-grained and of the best quality. Pkt., 10c; oz., 15c; 1/4 lb., 40c; lb., \$1.25.

WINTER LUXURY. Generally regarded as the finest quality pie pumpkin. Besides its high quality it is the best winter keeper of all. In size about nine or ten inches in diameter; skin is a beautiful deep orange. Pkt., 10c; oz., 20c; 1/4 lb., 60c; lb., \$2.00.

Potatoes (Maine Grown)

10 to 12 bushels, or about 4 barrels, sufficient for one acre.
One peck will plant 75 hills.

IMPROVED GREEN MOUNTAIN. (Certified). Improved by careful selection of seed. In season it is medium; one of the best yielders and keeps well; color white, form round or oval, smooth skinned and a heavy yielder.

IRISH COBBLER. (Certified). One of the most reliable of the early varieties. Cream-white color, vigorous grower, ripens uniformly and a good keeper.

Our Green Mountain potatoes are the Apex Brand raised from hand planted tuber unit fields. These potatoes show hardly a trace of disease and should give the utmost satisfaction.

Parsnips

One ounce to 150 feet of drill; 5 pounds to the acre.

Sow as early in the spring as the weather will permit in drills fifteen inches apart, covering half an inch deep. When well up thin out to five to six inches apart in rows. Unlike carrots they are improved by frosts, and it is usual to take up in the Fall a certain quantity for winter use, leaving the rest in the ground until spring to be dug up as required.

ABBOTT'S IMPROVED. Smooth and quite large; one of the best. Pkt., 10c; oz., 15c; 1/4 lb., 50c; lb., \$1.50.

HOLLOW CROWN. Roots very long, growing mostly below the surface of the ground. Pkt., 10c; oz., 15c; 1/4 lb., 50c; lb., \$1.50.

THE DON. A variety for handsome form, size, whiteness of skin and flesh, and solidity of texture. Specially recommended for market trade. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

K & W Radish

One ounce for 100 feet of drill.

Radishes thrive best in a light, rich, sandy loam; heavy or clayey soils not only delay their maturity, but produce crops much inferior, both in appearance and flavor. For a successive supply, sow from the middle of April until September, at intervals of two or three weeks. For an early supply they may be sown in a hotbed in February.

CRIMSON GIANT FORCING. Rich crimson color, flesh white and solid, and of a mild and delicious flavor. Grows to a large size without becoming pithy. Excellent for forcing. Pkt., 10c; oz., 15c; 1/4 lb., 45c; lb., \$1.50.

EARLY SCARLET GLOBE. Fine for forcing. Shape roundish oval; large, brilliant red; flesh white, solid, crisp and mild. Pkt., 10c; oz., 15c; 1/4 lb., 45c; lb., \$1.50.

EARLY SCARLET TURNIP (White Tip). Handsome bright scarlet color, with white tip. Pkt., 10c; oz., 15c; 1/4 lb., 45c; lb., \$1.50.

EARLY SCARLET TURNIP. Round, scarlet, small, short top, mild and crisp. Pkt., 10c; oz., 15c; 1/4 lb., 30c; lb., \$1.00.

FRENCH BREAKFAST. A variety of quick growth; very mild and tender. One of the best for forcing. Pkt., 10c; oz., 15c; 1/4 lb., 30c; lb., \$1.50.

ICICLE. Quick growing; clear white. Fine for forcing. Pkt., 10c; oz., 15c; 1/4 lb., 30c; lb., \$1.50.

NON PLUS ULTRA. The earliest forcing radish; extra early, maturing in about twenty days; round, bright red, with small tops; very mild. Pkt., 10c; oz., 15c; 1/4 lb., 45c; lb., \$1.50.

Rhubarb

One ounce should give about 500 plants.

Sow in drills eighteen inches apart and one inch deep. Thin out the plants to six inches apart. In the fall prepare the permanent bed by trenching two feet deep, mixing a liberal quantity of manure with the soil. Into this set the plants about five feet apart each way. The stalks should not be cut until the second year.

LINNAEUS. Early large, tender and of very fine quality. Pkt., 10c; oz., 25c.

Spinach (For Table Greens)

One ounce to 50 feet of drill; 10 to 12 pounds to the acre.

For spring and summer use, sow in drills one foot apart and one inch deep, as early as the ground can be worked, and every two weeks for a succession. For winter and early spring use, sow in September in well-manured ground; cover with straw on the approach of severe cold weather. The New Zealand spinach, which requires more room, may be started from seed early in spring to give greens during the heat of summer.

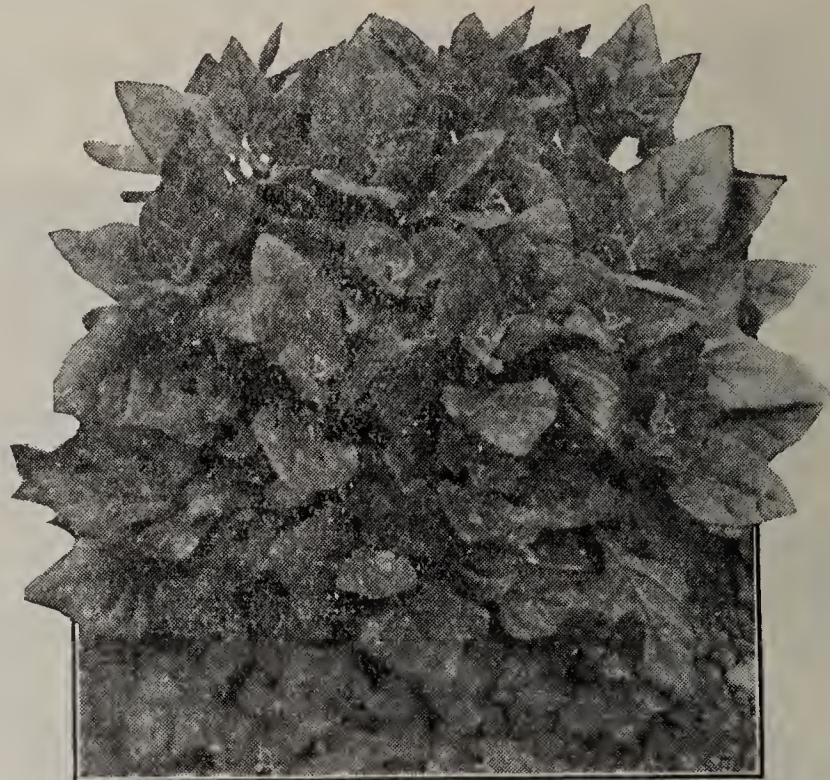
FALL OR WINTER. One of the hardiest for fall planting. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

KING OF DENMARK. For quick growth, fine appearance, and lasting qualities, it is the best early variety. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

SAVOY LEAF, BLOOMSDALE. Leaves thick, crimped and fleshy, hardy and long standing. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

NEW ZEALAND. Of branching habit; makes a very large plant, which stands drouth well. Leaves thick and fleshy, enduring the entire summer. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

ROUND THICK-LEAVED. A valuable variety, with thick, dark green leaves; long standing and hardy. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.



New Zealand Spinach.

Salsify or Vegetable Oyster

One ounce to 50 feet of drill.

Commonly called vegetable oyster. Used stewed, boiled, or fried. When cooked has an oyster flavor. Sow early in drill fifteen inches apart; cover the seeds with fine soil, an inch and one-half deep.

MAMMOTH SANDWCH ISLAND. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

Summer and Winter Squash

HUBBARD, BLUE. Hard shell, light blue in color, thick meat, dry and fine quality. Favorite winter sort. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

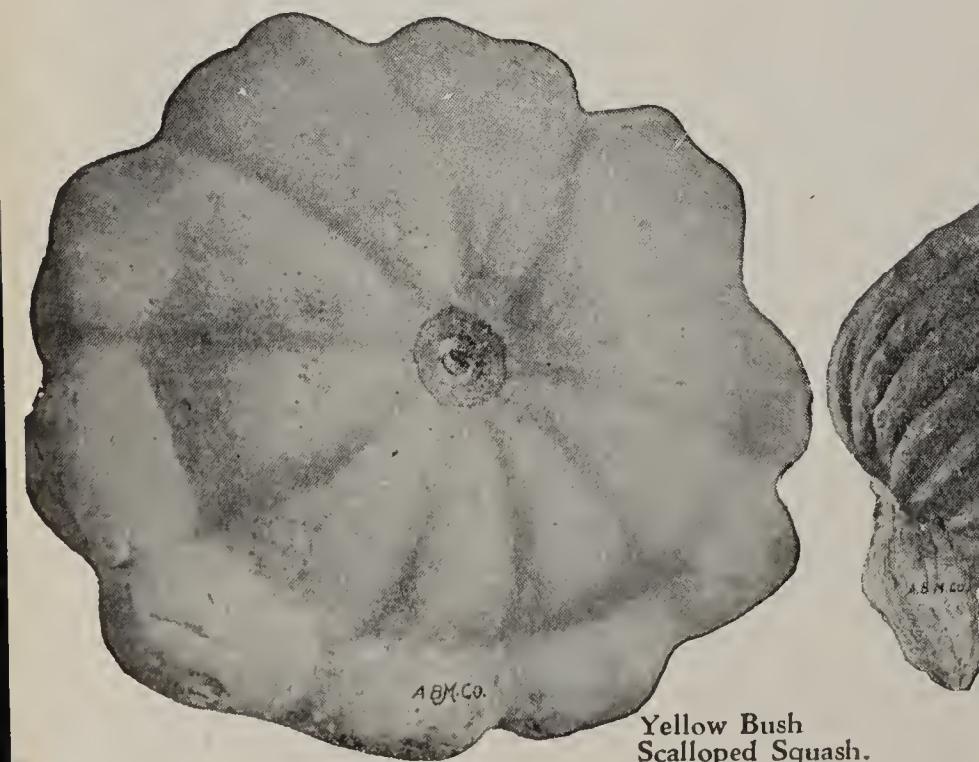
HUBBARD, GOLDEN. Similar to Green Hubbard, of a rich orange-red color, and of fine flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

HUBBARD, WARTED. Dark green color, shell hard and warty; good keeper. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

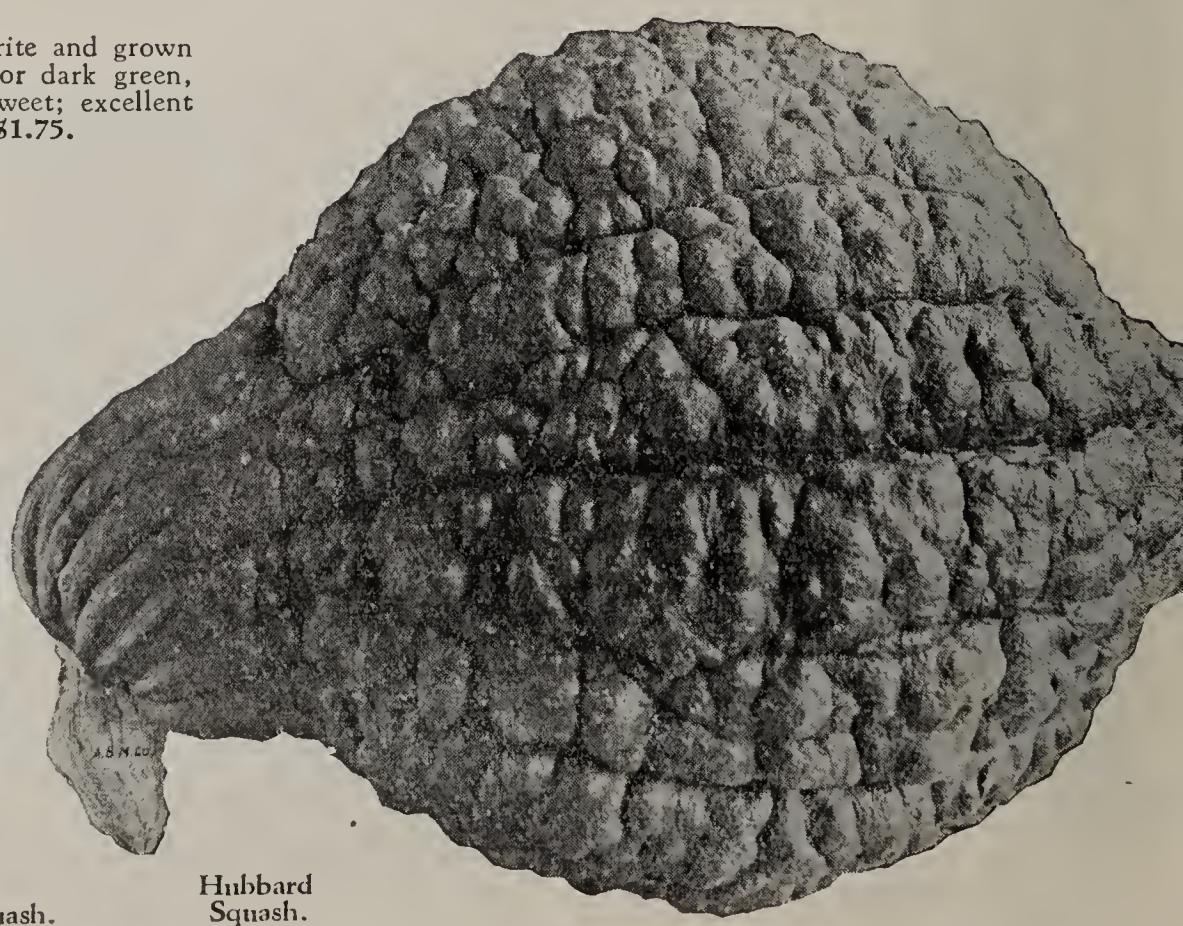
MAMMOTH CHILI. Grows to a large size, often weighing over 200 pounds; excellent for stock. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

SUMMER STRAIGHTNECK. Early, productive and of good quality; color orange-yellow. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

YELLOW BUSH SCALLOPED. An early market variety; excellent for shipping. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.



Yellow Bush
Scalloped Squash.



Hubbard
Squash.



Bonny Best Tomato.

BREAK O' DAY. A new early variety. Meaty, smooth and a good red color. Pkt., 15c; oz., 60c.

DWARF STONE. The largest fruited of the dwarf varieties, the fruit being of a bright scarlet, and growing in clusters; flesh very solid, firm and smooth. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

EARLIANA. A very large early tomato. Its large size, handsome shape, beautiful red color, and fine quality are unsurpassed by any of the best early and medium sorts. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

EARLY AVON. Earlier than Earliana. Of fine quality, fruit round, bright scarlet and borne in clusters. Pkt., 10c; oz., 50c; 1/4 lb., \$1.50.

JOHN BAER. An early variety. Smooth, solid fruit, brilliant red color. Pkt., 10c; oz., 40c; 1/4 lb., \$1.25.

MARGLOBE. A new disease resistant tomato, second early in maturity, fruit large, smooth, globular, and nearly coreless. Color red. A fine variety for the market gardener. Pkt., 10c; oz., 40c; 1/4 lb., \$1.50.

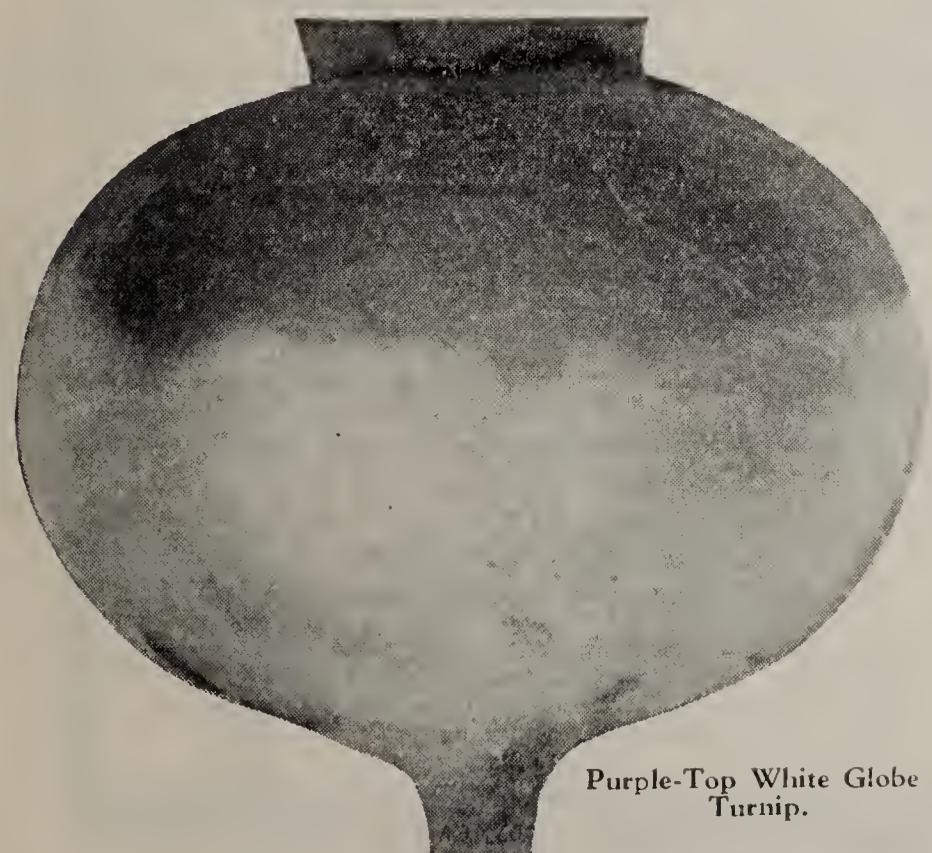
RED CHERRY. A small, early variety, size and shape of a cherry, for pickling. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

YELLOW PLUM. Similar to Red Cherry, excepting color bright yellow. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

Tobacco

One ounce is sufficient for one acre.

CONNECTICUT SEED LEAF. One of the best varieties. The leaves are of good width and length and grow closely on the stalk. Pkt., 10c; oz., 30c; 1/4 lb., \$1.00.



Purple-Top White Globe Turnip.

Good Garden Tomatoes

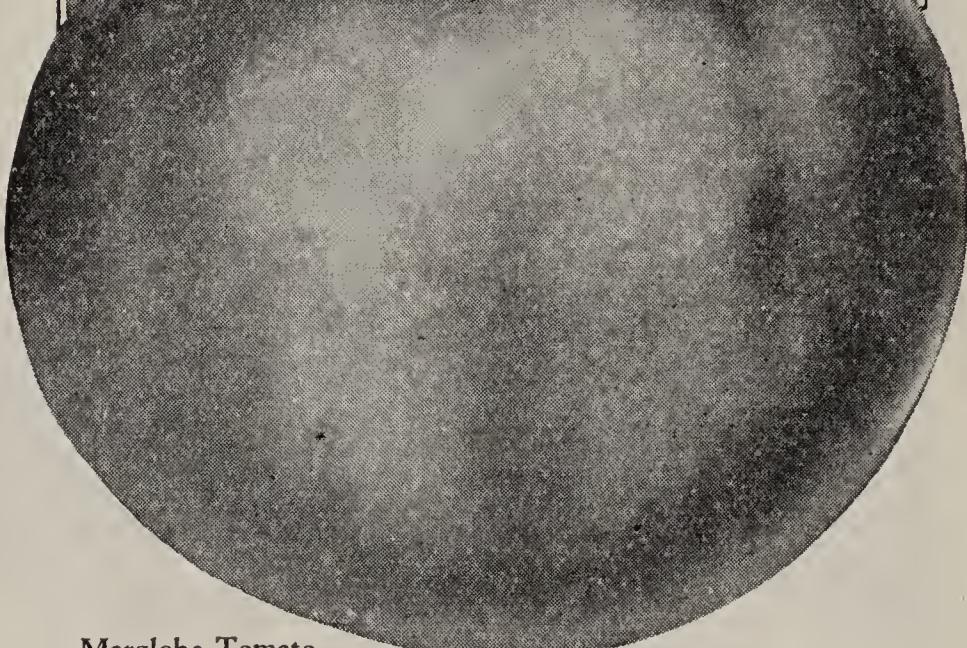
One ounce will produce about 2000 plants.

This vegetable is one of the most important of all garden products. They thrive best in a warm, light, rich soil. For early plants, sow about the first week in March in a hotbed, or in boxes or pots in a warm window. When the plants are about two inches high, set four inches apart in boxes three inches deep, or pot singly. If again transplanted before setting out, the plants will be still more stocky. Set out in the open ground about the first of June, four feet apart each way, using a shovelful of rotted manure in each hill.

BONNY BEST. Color an intense scarlet. It is roundish and slightly flattened at stem end. Early, prolific and uniform in shape and size. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

BURBANK'S EARLY. A new variety; considered to be the earliest tomato grown. Pkt., 10c; oz., 60c.

CHALK'S EARLY JEWEL. A fine second early tomato, about ten days later than Earliana. Fruit large size and fine flavor. The plants are compact and strong; one of the best for shipping and home garden. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.



Marglobe Tomato.

Turnip

One ounce for 150 feet of drill; 1 1/2 to 2 pounds in drills, or 2 1/2 to 3 pounds broadcast to the acre.

Turnips thrive best in rich, sandy, gravelly soil. The earliest varieties can be sown as soon as the ground can be worked, either in drills or broadcast. For a succession sow at intervals of a fortnight until the last week in July for the fall and main crops. To keep the roots fresh during the winter, they may be placed in a cool, dry cellar and buried with dry sand.

EARLY WHITE SIX WEEKS. Pure white; very early. Pkt., 10c; oz., 15c; 1/4 lb., 40c; lb., \$1.00.

GOLDEN BALL. A rapid grower of excellent flavor; bright yellow, good keeper and a superior table variety. Pkt., 10c; oz., 15c; 1/4 lb., 40c; lb., \$1.00.

PURPLE-TOP MILAN. The earliest variety in cultivation. Flesh white, hard, and of excellent quality. Pkt., 10c; oz., 15c; 1/4 lb., 40c; lb., \$1.00.

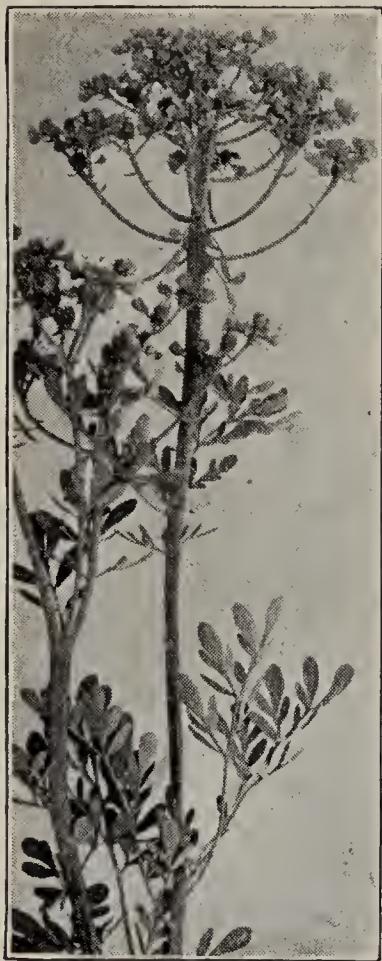
PURPLE-TOP STRAP LEAF. Excellent variety for main crop, equally good for spring or fall sowing; white flesh. Pkt., 10c; oz., 15c; 1/4 lb., 40c; lb., \$1.00.

PURPLE-TOP WHITE GLOBE. Globular shape, handsome and of superior quality either for table or stock. It is a heavy producer, early and a good keeper. The flesh is white and skin white with purple at portion which grows above the ground. Pkt., 10c; oz., 15c; 1/4 lb., 40c; lb., \$1.00.

Rutabaga or Swede Turnip

CARTER'S IMPERIAL HARDY SWEDE. An improvement upon other varieties, being larger, the flesh firmer, and an excellent keeper. Pkt., 10c; oz., 15c; 1/4 lb., 40c; lb., \$1.00.

SUTTON'S MAGNUM BONUM (Purple-Top). The finest type of Purple-Top Swede that can be grown for general purposes, as it not only yields a great weight per acre, but the crop remains sound for an unusually long time. The feeding value is very high, analysis showing the roots to contain 12.5 per cent of dry matter. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.25.

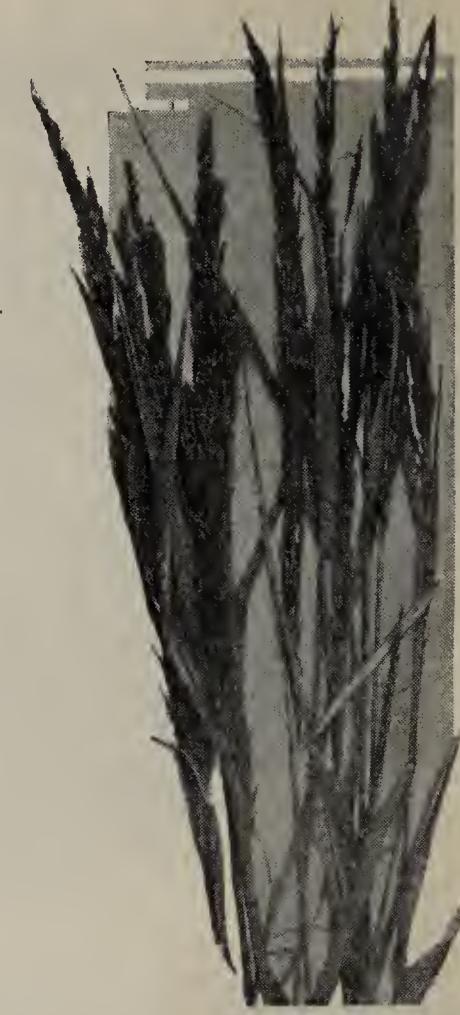


Sweet Marjoram.

Sweet and Medicinal Herbs

Sow in spring, in shallow drills, 1 foot apart, and when well up thin out or transplant to a proper distance apart.

Pkt.	Pkt.
Anise. Annual	\$0.10
Balm. Perennial .....	.10
Basil, Sweet. Annual .....	.10
Caraway. Biennial .....	.10
Catnip. Perennial .....	.10
Coriander. Annual .....	.10
Dill. Biennial .....	.10
Fennel, Sweet. Perennial ...	.10
Horehound. Perennial ...	.10
Hyssop. Perennial .....	.10
Lavender. Perennial	\$0.10
Marjoram, Sweet. Annual .	.10
Mint .....	.10
Rue. Perennial .....	.10
Saffron. Annual .....	.10
Sage. Annual .....	.10
Summer Savory. Annual ..	.10
Thyme. Perennial .....	.10
Wormwood. Perennial ....	.10



Red Top Grass.

Grass Seed and Clover

TIMOTHY. The most popular grass to sow for hay.

RED TOP. Succeeds in almost any situation. Fine for lawns or to sow with timothy for hay.

KENTUCKY BLUE GRASS. One of the best grasses for pastures and lawns.

ORCHARD GRASS. A valuable grass for pasture and also for hay.

RED CLOVER. Used both in mixtures for hay and for pasture.

ALSIKE CLOVER. More hardy than red clover and succeeding well where the ground is low and moist.

WHITE CLOVER. Used largely for lawns and in pasture mixtures.

ALFALFA. We offer the Grimm's Alfalfa as the variety best adapted to New England.



Early English Dwarf Essex Rape.

Early English Dwarf Essex Rape

Superior to any other variety offered. A forage plant of great merit, easily grown in any locality, and one of the most satisfactory quick growing crops, especially for sheep. As a fattening food for sheep, cattle, calves or pigs, it is without a rival in point of cheapness, is hardy, withstands drought, and will produce a crop in any soil. The seed may be sown from May to July, 10 to 12 pounds to an acre. Per lb., 20c; per 100 lbs., \$18.00.

Vetches or Tares

Spring Vetches. Highly valuable for sowing or for green manuring. Sometimes grown for oats, for mowing and feeding to stock. Use 120 to 180 pounds to the acre broadcast, or 60 to 120 lbs. in drills.

Winter Vetches. Also called Sand Vetch or Hairy Vetch. Recommended for fall sowing, with rye, which serves as a support. It is perfectly hardy in all parts of the country, can be harvested or plowed under and the ground used for the usual spring crop. Sow 60 lbs. of seed per acre, together with one-half bushel of rye.

Soja Beans

Sow one-half bushel to the acre.

Produce an enormous crop of both vines and pods. Valuable as a forage crop and fertilizing the soil, also pasturing, feeding as green fodder and for silo purposes.

It is a heavy yielder, with stiff straw, thin hull, and stands dry weather well.

Rye

ROSEN RYE (Winter). Produces a strong, vigorous straw and stools to remarkable degree. The grain is large, plump, heavy and of a beautiful color, commanding a premium on the market over other grains. Owing to its vigorous stooling property less seed is required, the practice being about one and one-half bushels to an acre. At the State Experimental Farms in Michigan for a number of years the average yield has been 41.3 bushels per acre of an exceptionally high quality of grain, and 46 bushels per acre is not an unusual yield.

RYE (Spring). For a catch crop this is best for sowing in the Spring, as a crop may be obtained by later sowing than any other grain, although it does not yield as heavy as the winter rye.



Soja Beans.

Sweet and Medicinal Herbs

Sow in spring, in shallow drills, 1 foot apart, and when well up thin out or transplant to a proper distance apart.

Pkt.	Pkt.
Anise. Annual	\$0.10
Balm. Perennial .....	.10
Basil, Sweet. Annual .....	.10
Caraway. Biennial .....	.10
Catnip. Perennial .....	.10
Coriander. Annual .....	.10
Dill. Biennial .....	.10
Fennel, Sweet. Perennial ...	.10
Horehound. Perennial ...	.10
Hyssop. Perennial .....	.10
Lavender. Perennial	\$0.10
Marjoram, Sweet. Annual .	.10
Mint .....	.10
Rue. Perennial .....	.10
Saffron. Annual .....	.10
Sage. Annual10
Summer Savory. Annual ..	.10
Thyme. Perennial10
Wormwood. Perennial10

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Summer Savory. Annual ..	.10
Thyme. Perennial10
Wormwood. Perennial10

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Forage Seeds, Grains, Etc.

At the Lowest Market rates and of the Best Quality.

BARLEY (Both two-row and six-row). The two-rowed variety has a head a little longer than the six-rowed varieties and the grain is large, plump, extra heavy. On account of its attractive appearance and fine quality, the grain brings the highest price, and is also extensively grown for green fodder.

BUCKWHEAT (Japanese). The most desirable variety. If sown at the same time as the Silver Hull it will ripen earlier and yield nearly double the amount. It is of much stronger growth than the common Buckwheat and the kernels are fully twice the size.

MILLET (Japanese Barnyard). Succeeds in almost any ordinary soil, and should be sown from the middle of May to first of July. It is distinct from other varieties. Enormous crop, and is excellent, either green or cured for hay, exceedingly popular as a forage plant.

MILLET (Hungarian). Probably used more than any other fodder during the summer months. Remains green when almost all other vegetation has dried up. It is one of the very best plants for green fodder or for ensilage; makes hay of good quality.

SUDAN GRASS. A new annual forage crop. Sudan Grass is a drought resistant hay crop of great merit. In the dry sections it yields more forage than millet and the hay is relished by stock of all kinds. After the ground has become warm, seed may be sown broadcast at the rate of 16 to 24 pounds per acre; if planted in drills 18 to 24 inches apart from 4 to 6 pounds per acre will be sufficient.

SWEDISH TYPE OATS. One of the best varieties for home use or market.

SEED INOCULATION STIMUGERM

Means Better Crops, Better Soils
Less Fertilizer Expense

STIMUGERM is a culture of bacteria put up on a pure, sterilized jelly medium, in bottles. The bacteria are especially selected and bred for maximum vitality and ability to form nodules and take nitrogen from the air. STIMUGERM contains many millions of active hardy legume bacteria, guaranteed to produce results.

STIMUGERM is economical and easy to use. Full directions for use accompany each package. STIMUGERM is dated and guaranteed for a full year.

ORDER BY NUMBER OR SEED TO INOCULATE

No. 1. Red, Mammoth, Alsike, Crimson and White Clovers.

No. 2. Alfalfa and Sweet Clovers.

1/2 bu. size	\$0.35
1 bu. size .....	.65
2 1/2 bu. size	1.40

No. 3. All Vetches, Canada Field Peas, Sweet and Garden Peas.

No. 8 Garden Beans, Field Beans.

1/2 bu. size	\$0.25
1 bu. size .....	.35
2 bu. size .....	.65
5 bu. size	1.40

No. 7. Cow Peas, Peanuts, Lima Beans.

No. 9 Soy Beans.

1 bu. size	\$0.35
2 bu. size .....	.65
5 bu. size	1.40

No. 5. Garden Size for Peas, Beans and Sweet Peas

(Add for Postage: 5c for Garden and 1/2 bu. sizes; larger sizes, 10c).



Fresh each Year
High Germ Count

INOCULATE YOUR LEGUMES

Alfalfa, Clovers, Lespedeza, Soy Beans, Cow Peas

Beans, Vetch, Peas . . with

The Original Legume Inoculator

NOBBE-HILTNER PROCESS

NITRAGIN

TRADE MARK REG'D. DEC. 6, 1898 NO. 32212

REDUCED TO

65c per bu. size—Alfalfa, Clovers, Lespedeza

50c per bu. size — Peas, Vetch, Beans,
Aust. W. Peas

35c per bu. size—Soy Beans, Cow Peas

YOU CAN NOW AFFORD TO INOCULATE ALL YOUR
LEGUMES WITH DATED, HIGH COUNT NITRAGIN.

For your protection, because Legume Germs are PERISHABLE, every package of NITRAGIN bears the Expiration DATE as well as the Germ COUNT when packed, and the PRICE.

NITRAGIN guarantees Billions of live, fresh and efficient Legume Germs in every package—tells you what you are buying—guarantees full measure. NITRAGIN is always reliable—has served the American Farmer since 1898.

NITRAGIN EASY TO APPLY

NITRAGIN is a regular, MOIST, soil-like culture packed in tins. Easy to apply. Directions on every can.

NITRAGIN—The Original Legume Inoculator—is the lowest priced, high quality inoculator on the market.

ALWAYS THE LARGEST—and most widely distributed inoculator in the U. S. A.



A General List of Vegetable Seeds

We forward seeds by Mail, Express or Freight as the purchaser may wish. When ordered by mail, add postage for beans, corn and peas at the rate of eight cents per pound to catalog prices, and for larger shipments by mail, see Parcel Post rates on page 4.

Valuable Table for Planting

Name of Vegetable	When to Plant		Depth of Plant Inches	Distance Apart Inches	Time of Maturity
	Hotbed	Open Ground			
Asparagus		April or May	1	Transplant 12 x 36	3d year from roots
Beans, Pole		May and June	2	Poles 36 x 36	August to frost
Beans, Dwarf		May to July	2	Thick drills, 24 apart	45 days
Beets		May to July	1	Thin to 5 x 15	50 "
Brussels Sprouts	March	May and June	1/2	Transplant 12 x 18	150 "
Cabbage, Early	March	April and May	1/2	Transplant 18 x 24	100 "
Cabbage, Late		June	1/2	Transplant 24 x 36	130 "
Carrot		May and June	1/2	Thin to 5 x 15	100 "
Cauliflower	April	May and June	1/2	Transplant 24 x 36	100 "
Celery	March	May	Barely cover	Transplant 2 x 4, in flats	170 "
Corn, Sweet		May to June	1 Early	Drills 10 x 30	60 to 90 days
Cress		May to July	1/4	Drills 12 x 48	
Cucumber	March	May to July	1/2	Thin to 3 x 12	40 days
Dandelion		May	1/4	Hills 48 x 48	50 to 75 days
Eggplant	April	June	1/2	Thin to 6 x 12	Following spring
Endive		June to August	1/4	Transplant 36 x 36	135 to 150 days
Kale		June to August	1/4	Transplant 12 x 12	45 days
Kohl-Rabi		May to July	1/2	Transplant 12 x 18	150 "
Leek		April and May	1	Thin to 6 x 18	110 "
Lettuce	March	April to August	1/4	Transplant 5 x 12	100 "
Melons, Musk	April	May and June	1	Transplant 12 x 12	25 to 60 days
Melons, Water		May and June	1	Hills 60 x 60	120 days
Onion		April and May	1/2	Hills 96 x 96	110 "
Parsley		April and May	1/2	Thin to 5 x 18	100 to 150 days
Parsnips		April and May	1/2	Thin to 6 x 12	45 days
Peas		April to July	3	Thin to 5 x 18	140 "
Pepper	March	June	1/2	Thick rows, 24 apart	40 to 80 days
Potato		April to July	2 Early	Transplant 18 x 24	135 to 160 "
Pumpkin		June	5 Late	12 x 36	90 to 130 "
Radish	March	April to Sept.	1/2	Hills 48 x 72	115 days
Salsify		May	1/2	Thin to 2 x 12	25 to 45 days
Spinach		April to July	1/4	Thin to 4 x 18	Oct. through winter
Squash		June	1	Thick rows, 12 or 15 apart	30 to 40 days
Tomato	March	June	1	Hills 48 x 72	60 to 130 "
Turnip		April to August	1/4	Transplant 36 x 36	100 to 150 "
			1/2	Thin to 4 x 18	60 to 75 "

Vegetable Plants

CELERY PLANTS—Ready June 1st to 15th
Golden Self-Blanching White Plume
Boston Market

TOMATO PLANTS—Ready May 15th to 20th.
Earliana Dwarf Champion Red Cross
John Baer Jewel Perfection
Early Avon Bonny Best
and other standard varieties.

One dozen in each box.

CABBAGE PLANTS

Early summer varieties. Ready May 15th to 20th.
For winter crop. Ready June 15th to 20th.

CAULIFLOWER PLANTS

Ready May 15th to 20th.

RHUBARB ROOTS AND ASPARAGUS ROOTS

Ready in April.

Remedies for Insects and Fungus

NOTE: On orders for Insecticides and Fungicides over \$2 in value, at retail price, we prepay to points within 100 miles of Portland. If value is \$2 or less, or if shipment is made beyond 100 miles from Portland, customer pays transportation charges on arrival. We send by express items hereunder marked not mailable.

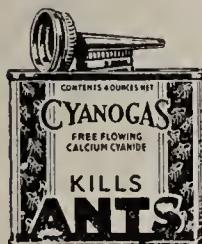
Information About Insects and Fungus

TO KNOW WHAT INSECTICIDES TO USE it must be understood that there are two classes of insect pests, the chewing and the sucking insect. The chewing insects feed on the foliage so their food must be poisoned by spraying or dusting with some poison such as arsenic. Among the chewing insects are the codling moth, curculio, potato beetle, tomato worm, gypsy moth, and similar pests.

THE SUCKING INSECTS do not eat the leaves but puncture the tissues of the leaf and then suck the plant juices. These pests are controlled by contact insecticides. Among the most common are the aphid, which are soft bodied insects and are killed by being suffocated, or by absorbing the poison. Beside the aphid there are the various kinds of scale which are found on the trunk and branches. These are best controlled by Lime-Sulphur, and oil sprays when the trees are dormant.

ANTROL. Most effective for the control of all honeydew loving ants, (not mailable). Prices: Antrol sets containing 4 containers and one 4-oz. bottle of syrup, 75c; extra containers, 10c each. Antrol syrup, 4-oz. bottle, 35c; pt., 85c; gal., \$3.50.

READY-FILLED ANTROL SET. To meet popular demand for a low priced article we offer the ready-filled Antrol set—consisting of four patented glass "feeders" filled with regular Antrol syrup, price, 40c.



ANTS. Enlarge entrances of nest with long-shank screw driver or pointed stick. Adjust spout of can and allow a small amount of cyanogas to flow into the enlarged hole. The worker ants and queen are killed immediately. Special 4-oz. ant container, 30c.

APHINE. Effective against all soft bodied and plant-sucking insects, such as green, black, and white fly, red spider, thrips, mealy bug, brown and white scale. Price, $\frac{1}{4}$ pt., 25c; $\frac{1}{2}$ pt., 40c; 1 pt., 65c; 1 qt., \$1.00; 1 gal., \$3.00. Not mailable.

ARSENATE OF CALCIUM. Used for the control of potato bugs, and other chewing insects. Not adapted to orchard spraying. 1 lb., 20c; 4 lbs., 70c.

ARSENATE OF LEAD. Better than Paris green, does not burn the foliage, goes twice as far, and is easier to handle. Stir in two level teaspoonfuls to a quart of water; one pound to 50 gallons of water. Lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.50; 25 lbs., \$3.25; 100 lbs., \$12.00.

BLACK-LEAF-40. A concentrated solution of nicotine sulphate and an excellent spray for aphid and sucking insects of all kinds. Dilute one teaspoonful to one gallon soapy water; one ounce to six gallons of water. Oz., 35c; 5 ozs., \$1.00; 1 lb., \$2.25; 2 lbs., \$3.25; 5 lbs., \$5.85; 10 lbs., \$9.85. (Not mailable).



BORDEAUX MIXTURE. S. W. FUNGI BORDO. A well balanced dry Bordeaux mixture containing 50% of blue vitriol and 50% of lime. It is the only well balanced Bordeaux prepared mixture on the market. It will not deteriorate and will give effective results. Fungi Bordo will prevent potato blight, apple scab, and other fungous diseases controlled by Bordeaux mixture. To produce 3-3-50 Bordeaux mixture use 6 lbs. to 50 gallons of water; for a 4-4-50 formula use 8 pounds to each 50 gallons of water. Put up in 1-lb., 4-lb., 25-lb., 50-lb., and 100-lb. packages.

Information About Insects and Fungus

FUNGUS DISEASES are not caused by insects but by spores which collect on the foliage causing such troubles as blight, scab, mildew, brown rot, etc. There are two kinds of fungicides, those made from sulphur, and those from copper. The fungicides from sulphur are best for control of apple scab, peach leaf curl, mildew; the copper fungicides, either as a spray or as a dust, for potato, celery, and tomato blight. After the disease has started it is difficult to stop it, so fungicides should be used early as a preventative measure, rather than a cure.



BUG DEATH. For vegetables and fruit. To meet the increasing demand for an effective, successful insecticide and fungicide for killing certain plant eating insects. Contains no arsenic, no Paris green or high poisons. No danger to man, beast or fowl. Is packed as follows: 10-oz. special sifter top can, 25c; 5-lb. packages, 75c; 12 $\frac{1}{2}$ -lb. packages, \$1.50; 100-lb. bags, \$10.00.



CREONOID. Lice Destroyer and Cow Spray. To protect cattle and horses from flies. Antiseptic and non-poisonous. Used in hen houses to kill lice.

Flies breed in manure-heaps and go from place to place carrying disease germs along with them. Flies are responsible for many of the epidemics that appear among people and animals.

If their breeding places are regularly sprayed with Creonoid they cannot breed and the number around the buildings will be greatly diminished. Price, per gallon, \$1.25.

CREOSOTE. For painting gipsy moth egg clusters. Price, 1 qt., 50c; 1 gal., \$1.25.

CROW REPELLENT. Seed-preserver for corn. Insures your seeds, prevents crows and other birds taking the seed and also protects against ground-rot and smut. Non-poisonous and does not retard germination. Small can, enough for 1 bu., 60c; large can, enough for 2 bus., \$1.00.

CYANOGEN GAS (A) DUST. For outside use in killing rats, moles, woodchucks, gophers, and ground squirrels. Also for white grubs and crayfish in lawns. Lb., 75c; 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00. Gun for applying same, \$1.25. (Not mailable).

CYANOGEN GAS (G) FUMIGANT. For greenhouse, mushroom, and soil-fumigation. Scatter over the greenhouse walks and close the house for the night. Generates deadly hydrocyanic acid gas which is very effective in controlling aphid, thrips, white fly, and soft scale. 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00. (Not mailable).

EVER GREEN SPRAY FOR PLANTS. Kills most plant pests, including even cut-worms. Use it freely on tender plants and flowers. It can't burn or otherwise injure them. Neither will it injure the soil.

EVER GREEN, NON-POISONOUS. Kills only insects. It is harmless to man, live stock, birds and pets. Easy to use. Just mix it with water and stir. No need for constant agitating. Ever Green stays in solution and won't clog sprayers. Prices: 1-oz. bottle, 35c; 6-oz. bottle, \$1.00; 16-oz. bottles, \$2.00; 32-oz. bottles, \$3.50; 1-gal. bottles, \$11.50; 5-gal. bottles, \$45.00.



LIME-SULPHUR. Dry. A very effective dormant spray for fruit and shade trees. Lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lbs., \$4.00. (Not mailable.)

Remedies for Insects and Fungus

NICO-FUME LIQUID. This preparation is a free nicotine preparation, and is used by many of the leading growers. Lb., \$2.25; 4 lbs., \$5.75; 8 lbs., \$10.00.

NICO-FUME TOBACCO POWDER. For fumigating the greenhouse and conservatory. Lb., \$1.00; 5 lbs., \$3.35; 10 lbs., \$5.85. (Not mailable.)

TOBACCO DUST. For dusting. Price, 1 lb., 10c; 10 lbs., 60c; 100 lbs., \$4.00.

TOBACCO DUST. For fumigating. Price, 1 lb., 10c; 10 lbs., 75c; 100 lbs., \$5.50.

SUNOCO. Self-emulsifying spray for scale, insects, aphis, and red mite on apple trees. Sunoco will not freeze or deteriorate, mixes readily with hard or soft water. Will not irritate the skin or injure clothing. 50-gal. drums, \$21.30; 30-gal. drums, \$15.20; 15-gal. drums, \$9.00, non-returnable. 5-gal cans, \$5.25; 1-gal. cans, \$1.25.

PARIS GREEN. 1/4 lb., 15c; 1/2 lb., 30c; 1 lb., 55c; 5 lbs., \$2.50; 14 lbs., \$5.00. (Not mailable.)

POMO-GREEN. With nicotine. The leaf-green, all-in-one dust or spray for external leaf-eating insects and many plant diseases, also sucking insects such as aphis, etc. Recommended highly for the control of black-spot, mildew, and rust on roses, carnations and snapdragons. Lb., 75c; 5 lbs., \$3.00; 25 lbs., \$12.00. Without nicotine for external chewing insects, black-spot, mildew, and rust. Lb., 50c; 5 lbs., \$1.75; 25 lbs., \$8.00. (Not mailable.)

PYROX. Kills all leaf-eating insects and prevents blight and all fungous troubles without injury, on trees, shrubs, and garden vegetables. Lb., 50c; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$5.00; 50 lbs., \$7.25; 100 lbs., \$12.50; 300 lbs., \$30.00. Nicotine Pyrox, besides being recommended for all the above, is also very effective against sucking insects such as aphis, etc. 10-oz. jar, 50c; 40 ozs., \$1.25; 5 lbs., \$1.75; 10 lbs., \$3.00. (Not mailable.)

KALCO gives complete coverage of Lime-Sulphur or Bordeaux on opening buds, unfolding leaves and blossoms. This means the greatest protection against scab, brown rot, or other fungous infection. It causes the spray to dry quickly in a durable coating and enables the orchardist to get the greatest benefit from sprays that are applied in rainy weather. Use 1 pound to 100 gallons of spray mixture.

POTATO GROWERS: Kalco will spread your sprays and make them stick, rain or shine. 100-lb. sack, 18c per lb; 50-lb. sack, 19c per lb.; 10-lb. sack, 21c per lb.; trial size can, 25c.

SCALECIDE. Used for destruction of the San Jose scale. Dilute at the rate of one gallon to twenty gallons of water. Scalecide does not clog nozzles, hose, or pump, and is pleasant to use. Trees may be sprayed in winter and early spring before they start to come to bud. Qt., 65c; gal., \$1.55; 5 gals., \$5.50; 10 gals., \$9.50; 15 gals. \$13.25; 30 gal. bbl., \$21.00; 50-gal. bbl., \$29.00.

K-R-O

(Kills Rats Only)

Without endangering your pets, livestock, poultry, etc. This wonderful new exterminator, that is harmless to animals other than rats and mice, fills a long felt want among users of rat exterminators. Price, 75c.

Rat-Nip

Effective for rats, mice, roaches, waterbugs, and other pests. They can't resist it. Put up in tubes and is used by squeezing on slices of bread. Price, 35c.

I Kill Weeds
by Sprinkling



Sprinkle Weeds Away

Dilute Dolge Weed-Killer in 40 parts of water and sprinkle on your drive, walk, cobble gutter, tennis court. Weeds dry up and turn to dust. One application usually enough for entire season. Price, f. o. b. Portland, 1 qt., 60c; 1 gal., \$1.75; 5 gals. \$8.00; 10 gals., \$14.00.

SNAROL. An effective bait for slugs, cutworms, snails, grasshoppers and other garden pests. A ready prepared meal for broadcasting on the ground under the plants; does not deteriorate from rain and sprinkling. 1-lb. carton, 35c; 3-lb. carton, 85c; 15-lb. carton, \$3.00.

SULPHUR. Used principally in greenhouses and outdoors for checking mildew. Lb., 10c; 5 lbs., 45c; 10 lbs., 75c; 100 lbs., \$5.00.

SULFOCID. An efficient summer spray for the control of scab and black rot on fruit trees. Dilute one gallon to 200 gallons of water. 1-qt. can, 85c; 1-gal. can, \$2.25; 5-gal. can, \$7.50; 10 gals., \$13.50.

MAGNESIUM ARSENATE. For the control of Mexican Bean Beetles. No danger of burning. Can be used either as a dust or spray. 2-lb. pkg. 75c; 100-lb. pkg., \$22.00.

S-W. BASIC COPPER-SULPHATE. This new product takes the place of home made Bordeaux Mixture, and costs no more, as just half as much is required. It is more uniform and much easier to handle than blue vitriol and lime. Put up in 100-lb. bags.

Noxon

Odorless Insect Killer.

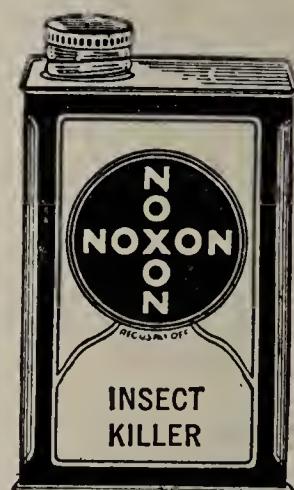
1/2 pt.	\$0.35
1 pt.	.60
1 qt.	1.00
1 gal.	3.00

Plant Spray.

1 oz.	\$0.35
1 qt.	3.00
1 gal.	10.50

Polish and Cleaner.

1/2 pt.	\$0.25
1 pt.	.45
1 qt.	.75
1 gal.	2.00



TREE TANGLEFOOT. A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. 6 ozs., 25c; 1 lb., 60c; 5-lb. can, \$2.75; 10-lb. can, \$5.25; 25 lbs., \$11.00.

Volck

A spray for the garden, nursery and greenhouse. Controls red spider, mites, white fly, scales, mealy bug, aphis, thrips, etc. Destroys the insects in all stages without injury to plants. Prices: Nursery Volck, 1/2 pt., 35c; 1 pt., 50c; 1 qt., 80c; 1 gal. \$2.50. Garden Volck, with nicotine, \$4.20 per gal.

S-W Dusts

In spite of the fact that spraying apples, pears, and cherries with Lime-Sulphur and Arsenate of Lead is generally considered to be more effective than dusting with a mixture of ground Sulphur and Arsenate of Lead, many fruit growers do some dusting because of the greater speed with which an application may be made. For the same reason dusting is done extensively by potato growers. If dusting is preferred we recommend the S-W Dusts which have attained great favor, both with orchardists and potato raisers.

85-15 SULPHUR-ARSENATE OF LEAD DUST. Used for the control of certain fungous diseases and chewing insects on apples, pears, peaches and plums.

20-20-60 COPPER-CALCIUM-LIME DUST. For control of Potato Blight and Potato Bugs, being both a poison and a fungicide.

20-80 COPPER-LIME DUST. For use against Potato Blight, Celery Blight, and Tomato Leaf Spot. Has no poison.

DUSTING SULPHUR. Of extreme fineness (300 mesh) prepared especially for dusting.

Fly-Tox is Clean

Spray a cloud of Fly-Tox into the room. It kills household insects within ten minutes. Fly-Tox is clean. It leaves no muss or dirt. Fly-Tox is bottled in convenient sizes. 1/2 pt., 35c; 1 pt., 60c; 1 qt., \$1.00; 1 gal., \$3.00.



VIGORO Grows Beautiful Lawns, Flowers and Vegetables

Successful gardening is dependent upon proper feeding. Not the old make-shift methods but with a complete plant food containing all the elements that plant life requires for healthy growth.

Such a food is Vigoro. Complete, properly balanced, clean and odorless. It can be sown by hand like grass seed.

For a thick growth of healthy grass, beautiful flowers, leafy shrubs and trees, and crisp vegetables, use Vigoro.

Full directions in every bag. Get enough now for everything you grow.

12 ozs.	\$0.10	25-lb. bag	\$1.60
5-lb. bag .....	.50	50-lb. bag	2.75
10-lb. bag .....	.85	100-lb. bag	4.50

VIGORO SPREADERS FOR PLANT OR LAWN SEED	
"Little" Vigoro Spreader (14 in. wide)	\$2.85
"Junior" Vigoro Spreader (14 in. spread)	5.75
"Standard" Vigoro Spreader (24-in. spread)	10.85
"Special" Vigoro Spreader (36-in. spread)	17.25

Two-In-One Peat-Poultry Manure

It is an ideal top-dressing for lawns, golf courses, shrubbery, small fruits, etc. Price, 5 lbs., 50c; 25 lbs., \$1.75; 50 lbs., \$2.50; 100 lbs., \$4.00.

Ground Peat

Excellent for mixing with the soil for top dressing lawns and flower beds. Holds the moisture and prevents loss of plant food. Bales contain about 20 bushels. Half bales contain about 10 bushels.

Ashes

Unleached, hardwood ashes, put in 100-lb. bags. Especially valuable for lawns.

Land Plaster

Price, per 100 lbs., \$1.00; ton, \$16.00.

Agricultural Chemicals

Nitrate of Soda. 15.50 per cent. nitrogen.

Sulphate of Ammonia. 20.56 per cent. nitrogen.

Muriate of Potash. 48 per cent. actual potash.

Sulphate of Potash. 48 per cent. actual potash.

Ground Tankage. 7.40 per cent. nitrogen, 9.15 per cent. total phosphoric acid.

Plain Superphosphate or Acid Phosphate. 16 per cent. phosphoric acid.

Special Ground Bone. 2.47 per cent. nitrogen, 22.28 per cent. total phosphoric acid.

As prices on chemicals change frequently please write for prices, stating kind and amount desired.

Bowker and Bradley Fertilizers

A full stock of these standard fertilizers constantly on hand, including:

XL Superphosphate of Lime, 3-10-4.

Northland Potato Grower, 4-8-4.

Corn Favorite, 3-10-4.

Blood, Bone and Potash, 5-8-7.

Complete Manure with 10% Potash, 4-8-10.

A. A. Potato Grower, 5-8-10.

Complete Manure for Potato and Veg., 4-8-7.

A. A. Superphosphate, 0-16-0.

Also the New Agrico Brands for corn, potatoes and truck.

Fertilizers

Fertilize Your Lawn and Flowers With Wizard

Everybody can get wonderful results with Wizard because it is a safe, natural fertilizer that does not burn plants. Wizard has a lasting, beneficial effect on the soil. It supplies the humus and natural food that all plants need to develop their real beauty. Wizard is positively weedless, highly concentrated, and easy to use. It is very economical, one bag equals a whole wagon load of stable manure.

Lawns. Make an application of Wizard early in the spring, if you want a thick, velvety, green turf of lasting beauty.

Flower Gardens. Luxuriant green foliage and vivid colored flowers are the result of using Wizard. Broadcast 10 lbs. to 100 sq. ft. of garden soil. Mix a handful with the soil under each new plant, more for vines, shrubs and trees. Light applications during the growing season will prolong blooming.

Vegetables and Fruits. Every practical gardener knows that there is nothing better than manure to grow big, profitable crops. Wizard produces big crops of crisp, tender vegetables. Fruit crops respond quickly and show improved yield, color and flavor. Use 1000 to 1500 lbs. to acre. Prices: 5 lbs., 30c; 10 lbs., 55c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00.

Ferti-Flora

A liquid fertilizer for potted plants which supplies all the elements needed to make them grow and bloom. It is without disagreeable odor and is ready for use by simply adding it to the water when watering plants. Price, 40c per bottle. By mail, 47c.

Stim-U-Plant Tablets

A fertilizer in tablet form. The tablets contain the essential plant foods in highly concentrated form and are therefore very convenient for house use. Package, small size, 30 tablets, 25c; medium size, 100 tablets, 75c; large size, (pail) 1000 tablets (enough for season's supply for medium sized garden), \$3.50. Keeps lawns fresh and green.

Adco—Artificial Manure

Free from foul odor, flies, weed seeds, etc. The process is perfectly simple and not at all laborious. The addition of Adco to the compost pile, or to other vegetable refuse, grass clippings, leaves, etc., at the rate of two pounds to each wheelbarrow load of refuse, will produce a clean, odorless manure within three or four months. 25 lbs., \$2.00; 100-lb. bags (4-25's) enough for a heap 6 ft. by 6 ft. by 6 ft., making about two tons of manure, price, \$7.50.

Lime for Agricultural Purposes

R. R. LAND LIME

Calcium oxide 60 to 65%.

Magnesium oxide 4 to 5%.

Price: 50-lb. bags \$1.00 per 100 lbs. Ton \$13.00.

ROCKLAND AGRICULTURAL HYDRATED LIME

Calcium oxide 45 to 53%.

Magnesium oxide 25 to 33%.

Price: 50-lb. bags \$1.00 per 100 lbs. Ton \$14.00.

For Spraying

R. R. CHEMICAL HYDRATE

Air floated process 99.6%, passes through 325-mesh screen.

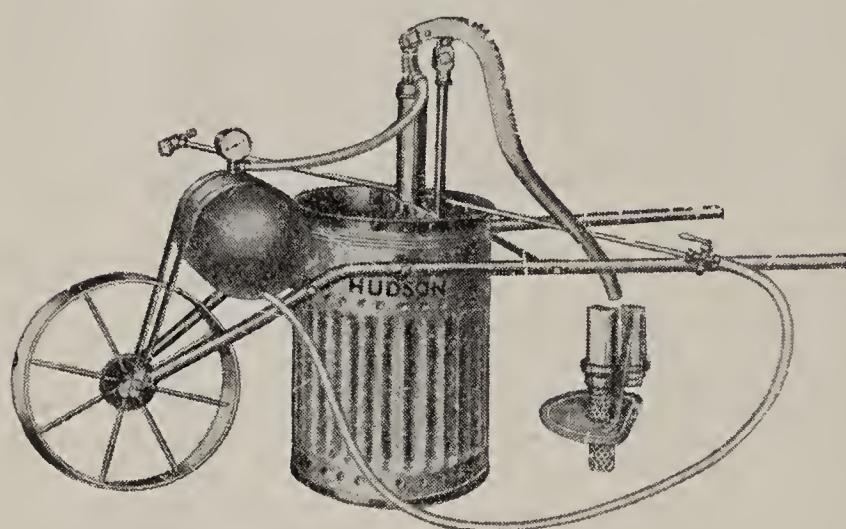
Price: 50-lb. bag \$1.25 per 100 lbs. Ton \$17.50.



This inexpensive spreader consists of a cylinder of heavy cardboard perforated so as to sow any kind of commercial fertilizer on the lawn or garden. Comes knocked down so may be sent by parcel post but can be set up in three minutes. Price: \$1.00 postpaid.

Sprayers For Applying Insecticides, Fungicides, Cold Water Paint, Whitewash

Hudson Ideal Sprayer



The Ideal as it will be furnished for 1935, is equipped with a special tubular brass intake screen with an agitator which wipes the surface of this screen at each stroke of the plunger, absolutely preventing clogging, even with solutions like whitewash, cold water paint, etc.

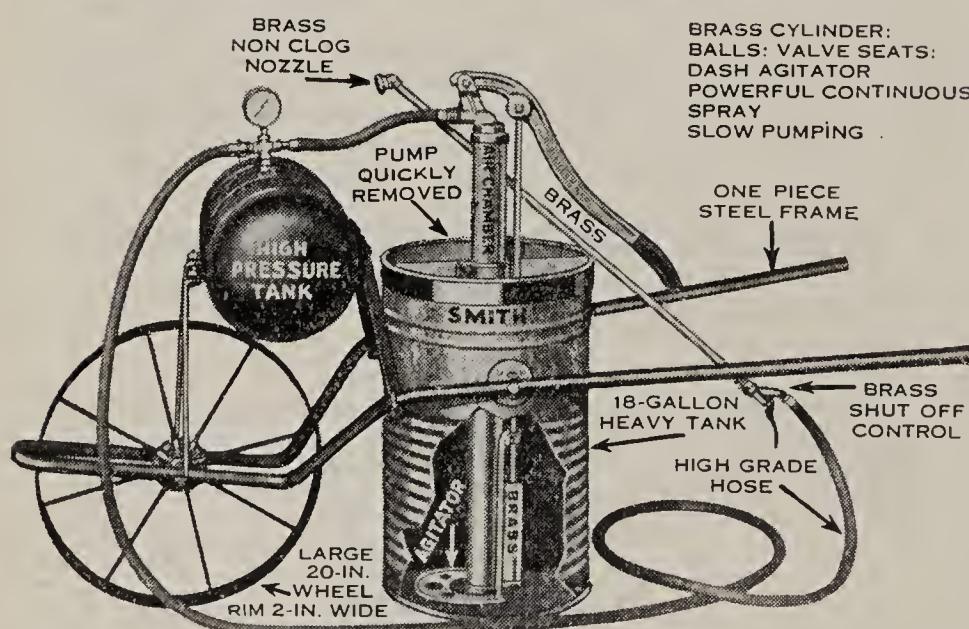
The Ideal is a high pressure portable outfit. It is an exceptionally handy outfit for the orchardist or fruit grower, stock barns, cattle pens, poultry houses, etc., and is a practical outfit for whitewash and cold water paint, etc.

Capacity, 15 gallons. Equipment consists of 6 ft. of $\frac{3}{8}$ -inch spray hose, a 4-ft. iron pipe extension, brass leakless shut-off valve and Ideal angle spray nozzle.

No. 33-S Ideal. Complete (15 gallons).

No. 32-S Ideal. Less pressure tank and gauge.

Smith Wheelbarrow Sprayers With or Without High Pressure Tank



For use in spraying orchards, garden truck, vineyards, field crops and lawns; also for spraying whitewash, cold water paints, disinfectants and for general spraying purposes. Exceptionally well built for long, hard service. All working parts are brass. The high pressure air tank, guaranteed for 250 lbs. pressure, will spray for a considerable length of time after pressure has been pumped up. The extra large wheel permits easy wheeling. The pump is very powerful. It requires no priming and is quickly removed from the tank, when the outfit may be used for wheeling water and slops about.

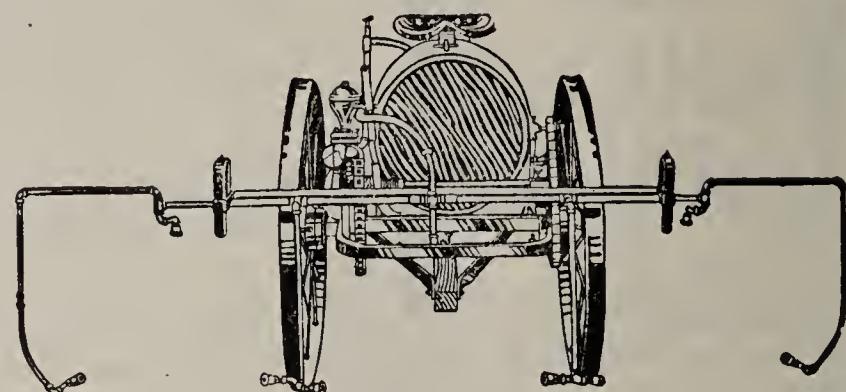
Bucket Tank. Extra heavy copper bearing, galvanized steel sheet. Tanks are heavily corrugated and reinforced, giving extra strength. Capacity 18 gallons.

Extension Pipe. Heavy brass, length 3 ft. For elevating spray.

No. 60PC. Complete with high pressure tank and galvanized bucket.

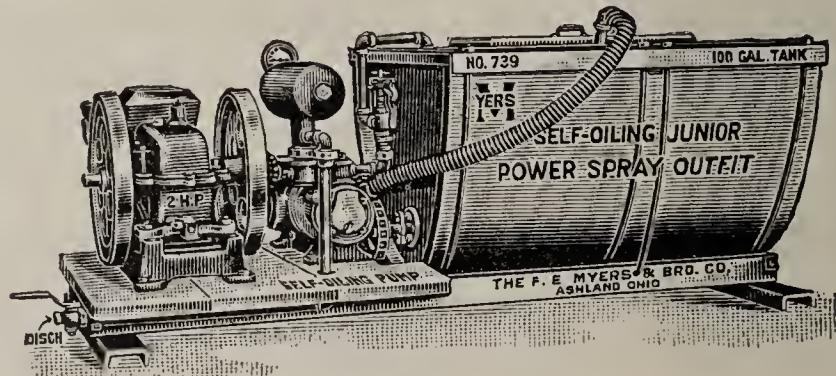
No. 60G. Complete with galvanized bucket, but without high pressure tank.

Oliver Sprayer



For the potato grower who has a small acreage, the Oliver 50 gallon sprayer offers efficient, thorough spraying at small cost. It is also well adapted for spraying celery, beans and similar crops which do not require a high pressure. Boom equipment: 4-row, 2-nozzle per row.

Myers Self-Oiling Junior Spray Outfit



Fitted complete with 2 H. P. engine and self-oiling pump. Equipped with one spray gun, 50 feet of $\frac{1}{2}$ -inch high pressure hose, single cut-off for discharge lines, pressure gauge, rotary agitator, pressure regulating valve, strainer and suction hose.

No. 739. Myers Self-Oiling Junior Spray Outfit, with 100-gal. cypress tank equipped as above.

Myers Cog Gear Spray Pump—Double Acting—No. R316B



No. R316B. Pump complete, 50 gallon barrel mounted as shown, with pressure gauge, one 15-ft. lead of $\frac{3}{8}$ -inch 7-ply discharge hose, one Fembro Fig. 1290 nozzle, one 8-ft. pipe extension with lever shut-off and mechanical agitator.

**The Glorious
Double
Nasturtiums
in a Riot
of Colors—**

**Introduced
1935**



**Per packet
25c**

Mixed Colors
Salmon Scarlet
Orange Cerise
Golden Yellow
Cream Yellow
Maroon
Crimson
Gold-Flushed
Scarlet

Lovely Gardens

Abound in Flowers



New Marigold, "Guinea Gold"

Each plant produces 30 to 40 large flowers of a brilliant shade of orange, flushed with gold. The characteristic Marigold odor is much less in evidence. Flowers are semi-double, with nicely arranged petals. An outstanding novelty. 2 to 2½ feet high. Pkt., 15c.



Gaillardia - Blanketflower

Blooms all summer; easy to grow. An old-fashioned favorite. Pkt., 10c.



Oriental Poppies

The Most Showy June Flower.

Hardy perennial. When the mammoth bright red Oriental Poppies are in bloom they are the most outstanding flowers in the garden, and once planted they will live for years, getting bigger and better each year. Grows 3 feet high. Pkt., 10c.

Large-Flowering Sweet Peas

Orchid-Colored

The
Spencer
Choice
Varieties
Dominating
All
Other
Types

Mixed Colors:
Per pkt., 10c;
per oz., 20c.



Hybrid Delphinium Mammoth - Colorful

A very highly developed strain of double Larkspurs with spikes of great length and individual flowers of largest size, almost as large as those of perennial Delphinium. The spikes stand upright, close to the center stalk, making it a show plant of first rank in the garden.

These Larkspurs are ideal for cut flowers, as the flower stems, 3 to 4 feet long, branch from the base of the plant. Per pkt., 20c.

Fine Lovely "Personalities" That Should
Grace Every Garden

K. & W. FLOWER SEEDS Always Dependable



Phlox Drummondi

Brilliant hues, vivid and lasting. Bloom July to fall. Grows 1 foot tall. Per pkt., 10c.



There's
a
Wealth
of
Pleasure
in
Growing
Flowers

Pyrethrum
(Painted Daisy)
Per pkt., 10c.



Giant Double Zinnias

Grand old favorites that have stood the test of time, always dependable, easy to grow. Per pkt., 10c.



Scabiosa - Mourning Bride

Also known as Pin Cushion and Sweet Scabiosa. 2½ feet high. Per pkt., 10c.

Your home is one of your great sources of strength, health and happiness. You furnish it inside with pleasing charm and dignity. The outside of your home is of equal importance to you, and that is why home owners are giving more thought and attention each year to the growing and care of plant life. No matter how small the space, there is always room for flowers. A few packets of K. & W. seed will yield surprising results. Consult us, we will tell you how.



Salpiglossis - Painted Tongue

Superb for cutting and garden decoration. Pkt., 10c.

K. & W.
Seed
Grow



Salvia - Sage

A handsome flowering plant of branching bushlike growth. A blazing mass of bright scarlet. Pkt., 10c.



Eschscholtzia

(California Poppies)

A very showy, quick growing and free flowering annual. Grows 9 to 12 inches, and excellent for bed and borders. Pkt., 10c.



Tithonia

Excellent tall growing plant. Pkt., 25c.

A Complete Vegetable

Fresh, Ready-to-Eat Vegetables

Start this year and grow your own vegetables. With just a little care and attention it is easy to supply your table with sufficient fresh vegetables throughout the summer. Why buy elsewhere when you can, at a fraction of the cost, have your own garden of "good things to eat."

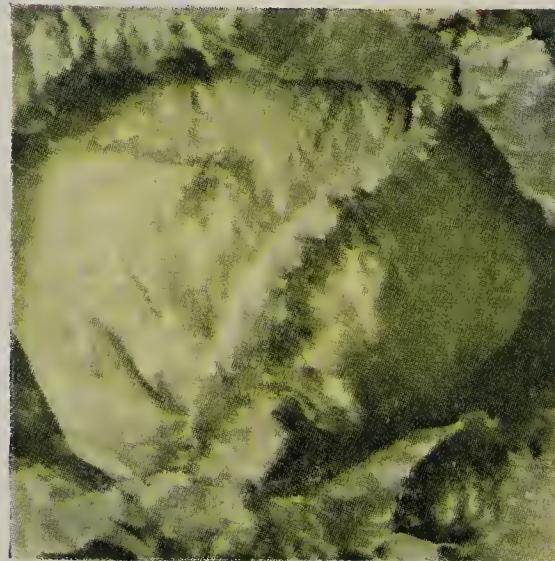
On these 2 pages we have selected twelve popular vegetables which are the most practical for the home garden.

1. 1 lb. Golden Wax Beans.
2. 1 Pkt. Mignonette Lettuce.
3. 1 pkt. Detroit Red Beets.
4. 1 pkt. Large Bell Peppers.
5. 1 pkt. King of Denmark Spinach.
6. 1 pkt. Yellow Globe Onions.
7. 1 pkt. Early Scarlet Radish.
8. 1 lb. Thos. Laxton Peas.
9. 1 pkt. Danvers Carrots.
10. 1 pkt. John Baer Tomatoes.
11. 1 lb. Golden Bantam Corn.
12. 1 pkt. Early Fortune Cucumbers.



**Detroit
Dark Red
Beets.** Pkt., 10c.

**Golden Wax
Improved Beans.**
1 lb., 30c.



Mignonette Lettuce.
Pkt., 10c.



**Large Bell
Pepper.**
Pkt.,
10c.



Yellow Globe Danvers Onion.
Pkt., 10c.



King of Denmark Spinach. Pkt., 10c.

Garden for only \$1.60



Early Scarlet Turnip Radish. Pkt., 10c.



Thomas Laxton
Peas.
1 lb., 30c.



Early Fortune
Cucumber.
Pkt., 10c.



Danvers Half Long
Carrot. Pkt., 10c.



John Baer Tomato.
Pkt., 10c.



Golden
Bantam Corn.
Pkt., 10c;
1 lb., 25c.

Profitable Items for the Commercial Grower

Kendall & Whitney Seeds are noted for being dependable. This is the foundation on which our business has been built.

Every year we receive hundreds of letters from our customers telling us about the splendid success obtained from our seeds.

Because of their "trueness" to name and high percentage of germination, Commercial Growers are able to produce record crops.



Danish Ballhead Cabbage

The most popular main crop variety for market.

Triple Tested Northern Grown Seeds is your assurance of success.



Green Hubbard Squash

Grows very large and a favorite winter variety.

Green Mountain Potatoes (Certified)

Maine grown. This variety is now the leader of all for a general crop.



Sprayers

For Applying Insecticides, Fungicides, Cold Water Paints, Etc.

Myers O. K. Cog-Gear Spray Pump

No. 308B for hot, cold, or any kind of mixture. Sold as a plain Pump, if desired, or with one length of hose, mounted in barrel. Plain Pump.

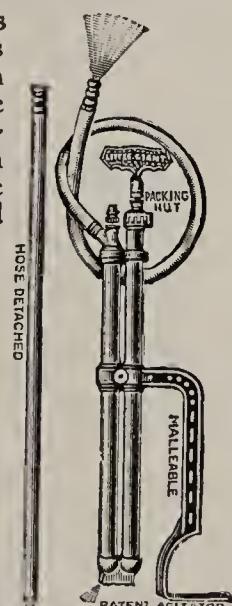
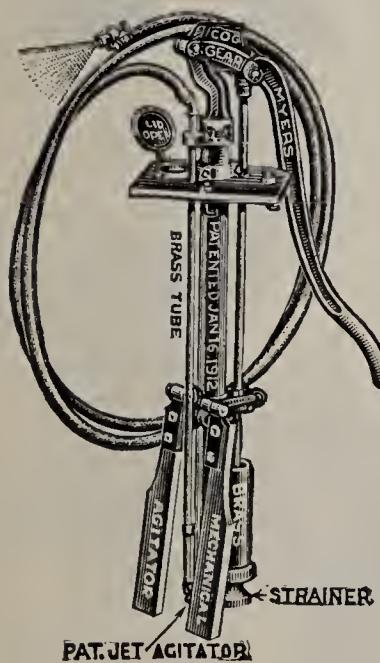


operation when bolted to the barrel. Has bronze ball valves and brass seats; the plunger, cylinder and discharge pipe are all brass.

No. 329. Whitewash, Cold Water Painting Machine and General Purpose Sprayer, with patent double agitator, a most complete and serviceable outfit. The tank is made of heavy galvanized iron, with a wide bottom. Holds seven gallons and is fitted with Bordeaux nozzle, brass ball valves, and has both jet and dasher agitator.

No. 324. Myers Cog Brass Spray Pump, with agitator, complete with hose and graduating Vermorel fine and coarse spray and solid stream nozzle. With Bordeaux nozzle for spraying whitewash.

No. 327½. Myers Little Giant Brass Spray Pump, with agitator, complete with hose and Imperial combination fine and coarse spray and solid stream nozzle.



Smith Justrite

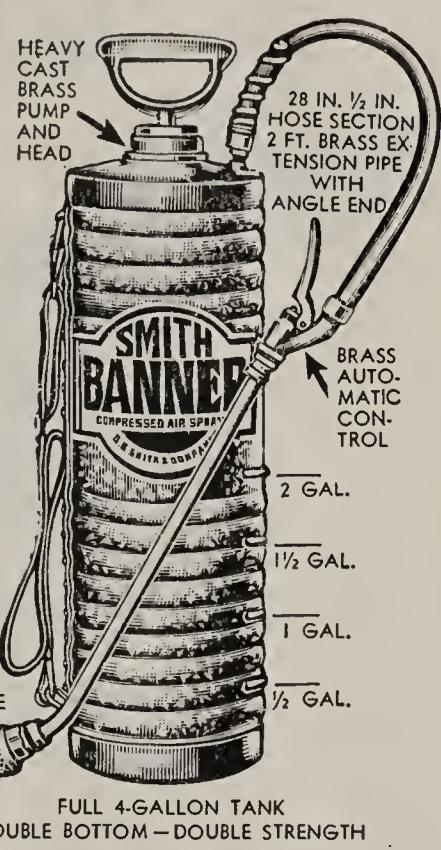
The size of the JUSTRITE makes it very useful for spraying the garden, flower beds, shrubbery, and for spraying disinfectants and whitewash in poultry houses, stables and cellars.

Tank is double seamed and well riveted to stand heavy pressure. All of the parts of JUSTRITE Sprayer are interchangeable with the Banner Sprayer.



No. 22 Banner Compressed Air Sprayer

This sprayer is adapted for all spraying purposes. It cannot be excelled for spraying garden vegetables, plants, shrubbery and flower beds, disinfecting poultry houses, stables, cellars, etc. Tank: 21 inches by 7½ inches. Capacity: About 4 gallons. Tank double seamed and well riveted. Pump: Seamless brass, 2 inches in diameter. Pump castings: Heavy brass. Hose: 2 ft., 5 ply. Carrying strap: Adjustable with snap ends. Automatic nozzle.



Smith No. 20 Big Boy Glass Sprayer

For spraying all insecticides on garden vegetables, flowers, etc., disinfectants and cattle fly oil.

Specifications: Pump chamber lithographed, 18 in. by 1½ in.; length over all, 22 in. Glass jar 5¼ in. by 4¼ in. Has Mason fruit jar thread. Liquid tubes: Seamless brass. Twin, for large, misty blast.

No. 20. Big Boy Glass Sprayer, packed dozen in case. Shipping weight 30 pounds.

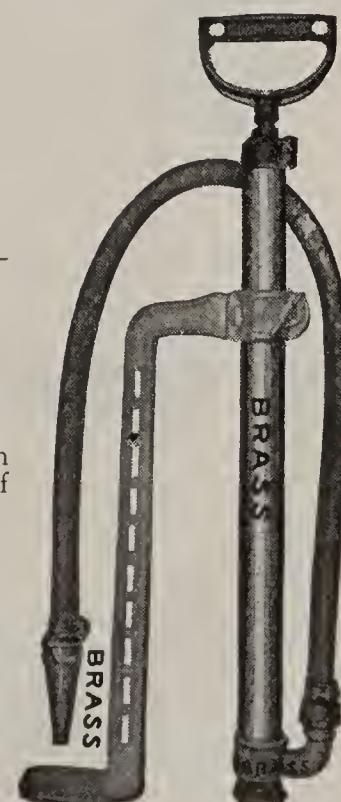


DIAMOND CONTINUOUS SPRAYER

The DIAMOND SPRAYER throws a continuous, large mist-like spray for use in the house or garden. Sprays all insecticides or any material in liquid form. Brass liquid tube easily and instantly removed for cleaning; pump end is solid brass. Tank has large screw opening for easy filling and cleaning.

Pump Chamber: Heavy tin, lithographed; 11 in. by 1½ in., with brass end. Tank: Heavy tin, capacity one pint; screws to pump.

No. 12D. DIAMOND, pint tin continuous sprayer.



No. 27 Plumber's Force and Suction Pump

For cleaning clogged water and drain pipes, and for pumping water out of boats, launches, cellars, etc.

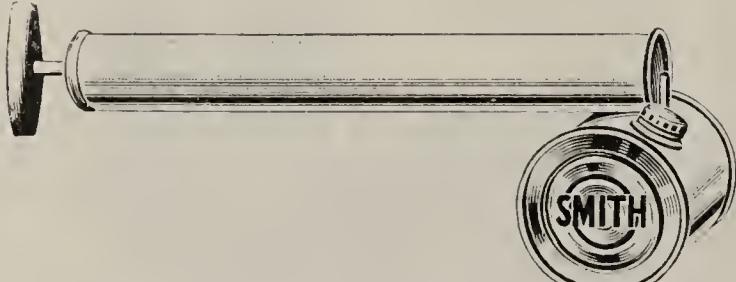
Sprayers

Double Tube Hand Duster



Excellent for dusting the gardens, flowers, bushes, trees and poultry houses. Handles Arsenate of Lead, Calcium, Paris Green, Sulphur and other dusts perfectly. Price, 60c each. By mail, 70c.

Smith One Quart Sprayer



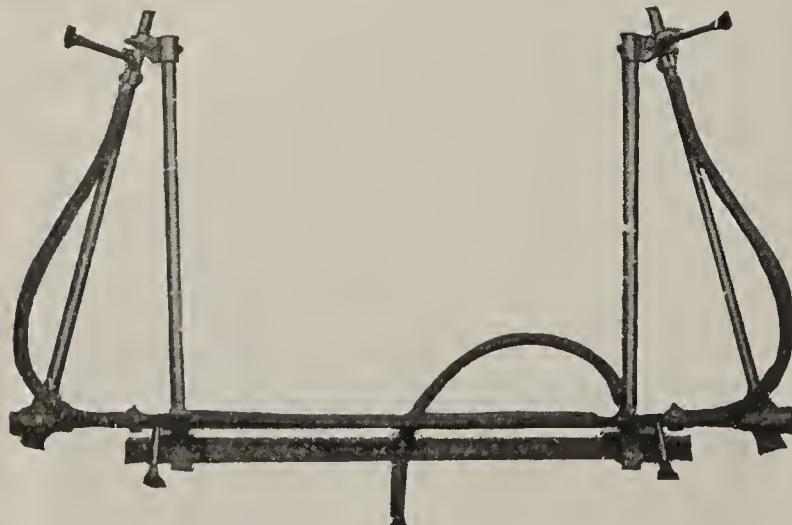
Double seamed tank, strong and durable. Made with large air chamber, cone-shaped end extends through the reservoir. An excellent sprayer for spraying garden vegetables, disinfectants, fly oil, etc. A good, strong, well-made sprayer. Price, 40c each.

Blizzard Continuous Sprayer



(One Quart)

Specifications: Made in all brass with copper tank. Pump chamber: 15 in. by 1 1/4 in. Tank: 4 1/2 in. by 4 in. Capacity: 1 qt. Screw cap, discharge tube, ball check valve, two nozzles. Packed 1 doz. in case. Shipping weight 16 lbs. Price, copper, \$1.50 each.



Spray Boom

Four-Row

This boom is adjustable both horizontally and perpendicularly. By moving the spray boom proper on the uprights, you can raise or lower the nozzles as required. Then by moving the clips on the horizontal bar the nozzles can be placed to spray rows of a number of different widths. This boom is made so that the ends can be swung up, as shown in the cut, so that sprayer can be drawn on the road or through a gate without danger of the boom being broken off by any obstruction.

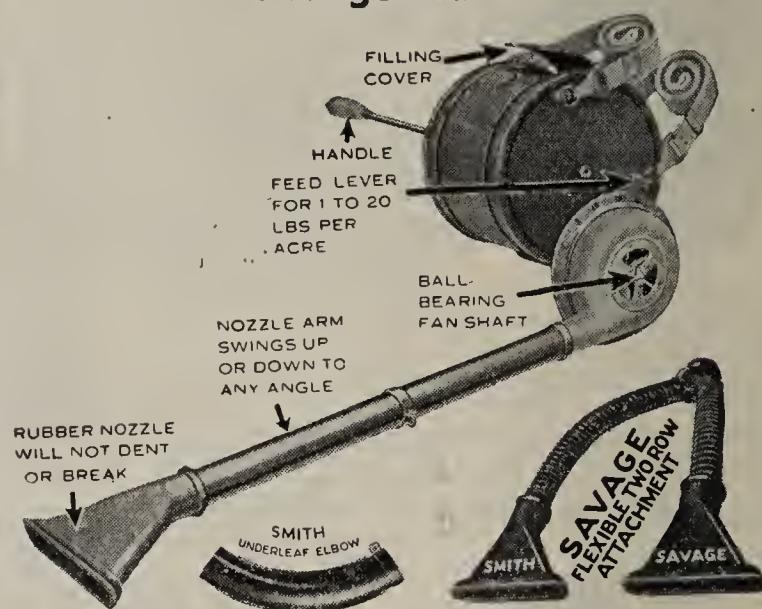
For Applying Insecticides, Fungicides, Cold Water Paints, Etc.

Feeny Model B Duster

This will dust any kind of dry powder and will distribute the powder in any quantity one may wish. The duster is very light, compact and thoroughly made. Price, 75c each. By mail, 85c.



Savage Duster



Handles all insecticides in powdered form. High grade and well built. Adapted for dusting trees, and the many kinds of infections to which field and garden are subjected.

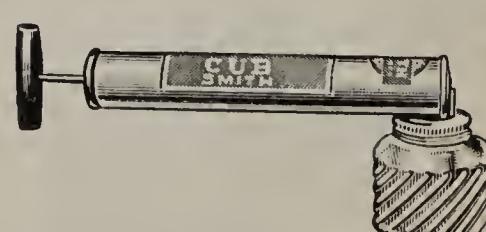
Built of the finest material and workmanship, which insures long and hard service.

Snugfit Respirator



For use when threshing grain, dusting orchards or similar work. Price, \$1.50.

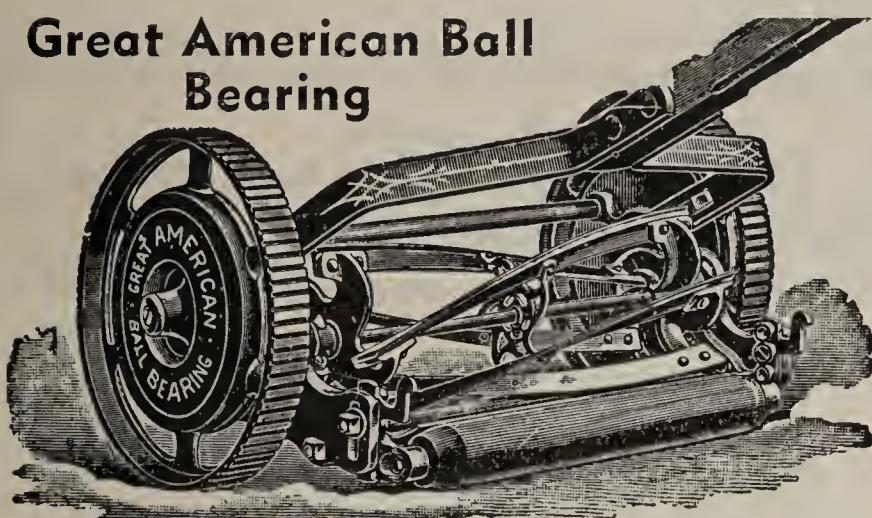
No. 4—Cub (3 ounces)



No. 4 CUB is a splendid little sprayer for household use, for spraying plants, roses, flowers, etc. For moths, flies, mosquitoes, roaches and other vermin. 2 doz. in case. 15 lbs.

Power and Hand Lawn Mowers

Great American Ball Bearing

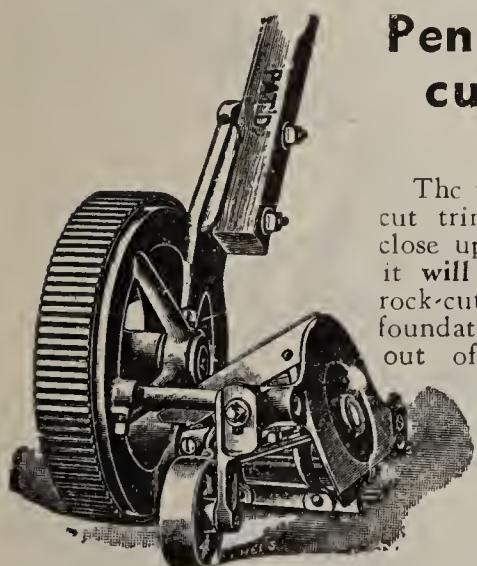


This machine is one of the most popular of the "Pennsylvania" line and consequently is more imitated than any other lawn mower manufactured. Raised edge, self-sharpening lower knife, highest grade ball-bearing, smooth running, are special features.

Sizes	10-Inch Driving Wheels.	5 Blades.	Price
15-inch			\$15.00
17-inch			17.00
19-inch			19.00
21-inch			21.00

Super Great American—Ball Bearing and Roller Bearing

17-inch	\$19.00
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The unique construction of the under-cut trimmer permits cutting, not only close up to a wall, fence, tree, etc., but it will get the grass under a fence or rock-cut base of tombstones, house foundations and other places hitherto out of reach of anything but hand shears. The slanting side plate and conical cylinder make it possible to cut all grass left by the regular style of lawn mower. For cemeteries it has the special advantage of not marking or smudging the tombstones as the side plate does not come

in contact with the stone above the grass line.

It is fitted with the STAYTITE HANDLE, with adjustable steel clamps to take up any possible shrinkage. Price, \$12.00.

9½-inch drive wheel. Four-blade cylinder. Width of cut 5½ inches. Net weight, boxed, inc. handle, 35 lbs. Net weight, 23½ lbs.

Wm. Penn—All Steel Ball Bearing

5 Blades. 10-Inch Wheel

All castings are malleable iron and are positively unbreakable. This new Wm. Penn mower has a 10-inch closed wheel and the cylinder, 6 inches in diameter, has five crucible tool steel blades, driven by an internal gear in each wheel, and extra wide hardened steel pawl. The brackets holding the wood roller are non-breakable malleable iron. Price, \$15.50.

"Nox-All" Holdsmore Grass Catcher

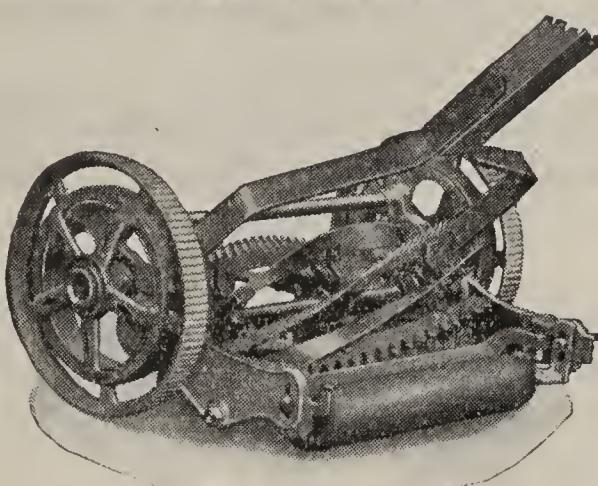
Will fit any mower made. Instantly attached and detached. Canvas body, galvanized iron bottom, combining strength with lightness.

No. 1, for 12, 14, and 16-inch mowers, \$1.25.

No. 2, for 16, 18 and 20-inch mowers, \$1.35.



Kutall Mower



Cuts all high grass, weeds, wild onion, plantain, dandelion, buckhorn, etc. and at the same time, will cut the grass as short and smooth.

This has been accomplished by placing between each reel knife, a hook-like rake which is adjusted to clear the lower knife by approximately ¼ inch, so that there is no wear on these rakes, nor any added effort on the part of the operator when pushing the machine.

Specifications: 9-inch wheels, 5½-inch reel, 4 blades and 4 rakes, crucible steel, oil tempered. Prices 14-in., \$16.50. 16-inch, \$17.25.

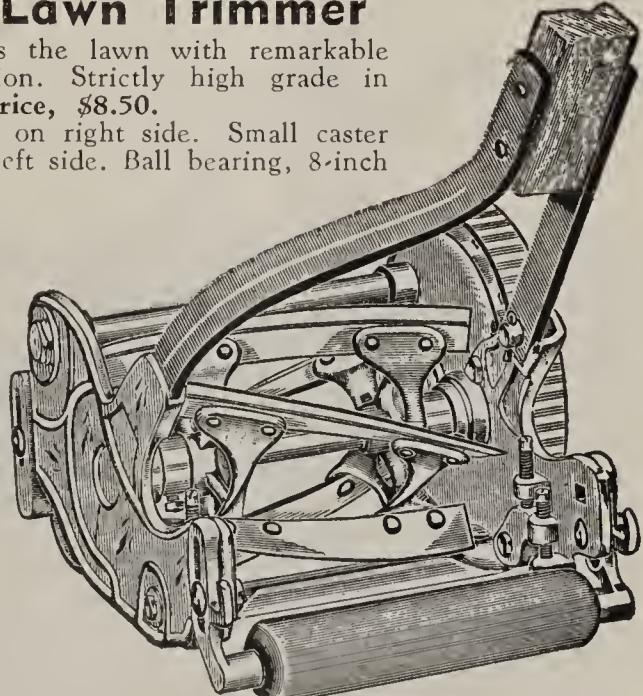
Apex Lawn Mower

Attractive lawn mower with self-adjusting ball bearings, 10-inch drive wheels, 4-blade cutting reel. Well made, low in price. Finish: gold body and wheel trimmed with green. Price, 14-inch, \$6.50; 16-inch, \$6.75.

Coldwell Lawn Trimmer

Trims and edges the lawn with remarkable speed and perfection. Strictly high grade in every particular. Price, \$8.50.

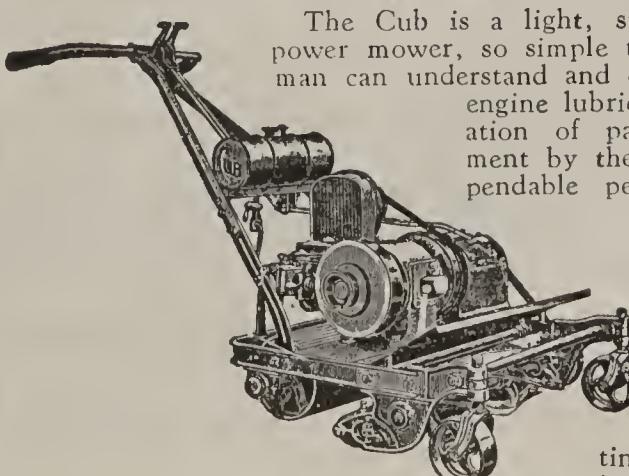
Eight-inch wheel on right side. Small caster wheel in front on left side. Ball bearing, 8-inch cut.



Coldwell Cub Motor Lawn Mower and Roller

The Cub is a light, strong, easily handled power mower, so simple that an inexperienced man can understand and operate it. Automatic engine lubrication and the elimination of parts requiring adjustment by the operator, insure dependable performance free from trouble and delays.

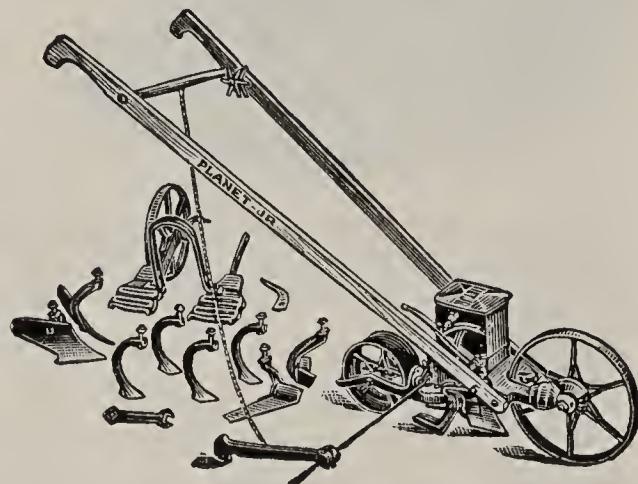
A four cycle motor, water-cooled with radiator and fan was designed especially for the Cub and provides an abundance of reserve power for cutting on steep grades and in rank or tough grass.



Planet Jr. Farm and Garden Tools

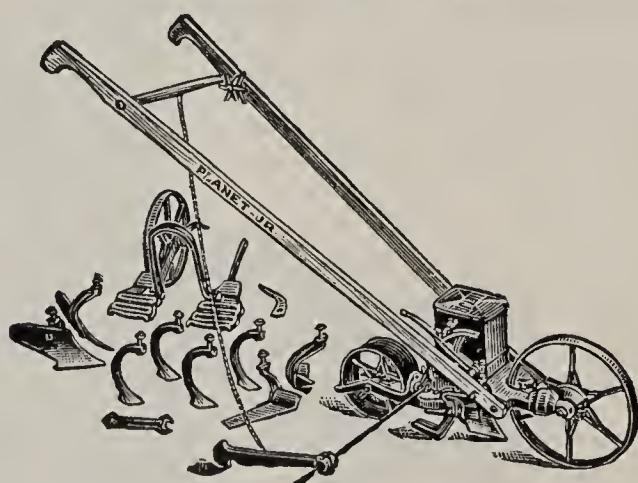
Enable you to cultivate a large garden with less effort. These wheel garden tools do the work of three to six men, make your garden yield more abundantly, and save several times the cost in a single season. Every tool is fully guaranteed.

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe Cultivator and Plow



This tool sows all garden seeds from the smallest up to peas and beans in hills, 4, 6, 8, 12, and 24 inches apart, or in drills. By removing the seeder parts and substituting the tool frame, you have a first class single wheel hoe. Can be used successfully by men, women or growing boys.

No. 25 Planet Jr. Combined Hill and Drill Seeder, Double Hoe, Cultivator and Plow



Holds 2½ quarts of seed.

A splendid combination for the family garden, onion grower, or larger gardener. It is a perfect seeder, and combined double and single wheel base.

No. 12 Planet Jr. Double Wheel Hoe, Cultivator and Plow

Identical with No. 11, except that it has 1 pair plows, 1 pair hoes, 4 cultivator teeth and a pair of leaf lifters.

No. 3 Hill and Drill Seeder Only

Mechanical features similar to Nos. 4, and 25. Large 15 inch steel wheel and roller wheel make it particularly valuable to large growers. Capacity 3 quarts.

No. 5 Planet Jr. Hill and Drill Seeder

16½ inch steel driving wheel. Holds 5 quarts. No. 5 is undoubtedly the best seeder we make for market gardeners. The style of construction is the same as in No. 3, the valuable mechanical features being common to both.

No. 11 Planet Jr. Combined Double and Single Wheel Hoe, Cultivator, Plow and Rake



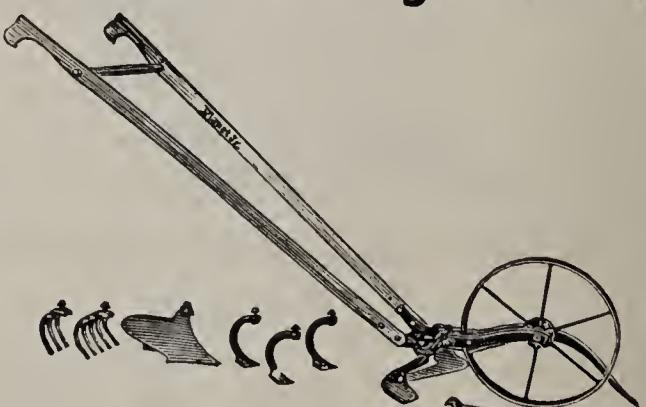
A single and double wheel hoe in one. Straddles crop till 20 inches high, then works between. Has steel frames and 14-inch steel wheels. The greatest hand-cultivating tool in the world.

Combined Seeder and Fertilizer Drill No. 45



Reduced costs are a necessity for the farmer, and of course the more jobs that can be done at one time the more it is possible to save. The No. 45 is a combination of the Iron King No. 4 Drill and No. 134 Fertilizer Attachment. The Seeder is the same but has a longer frame and the No. 134 is set ahead of the seed hopper. This drills the fertilizer, covers it and sows the seed all in one operation. Weighing only 48 pounds net it is light enough to be readily pushed by hand.

No. 16 Planet Jr. Single Wheel Hoe



Weight 25 lbs.

The highest type of single wheel hoe made. Light, but strong and can be used by man, woman or boy. Will do all the cultivating in your garden in the easiest, quickest and best way.

No. 17. Sames as No. 16 less rakes.

No. 17½. Less plow and rakes.

No. 18. One pair of 6-inch hoes only.

No. 19 Garden Plow and Cultivator.

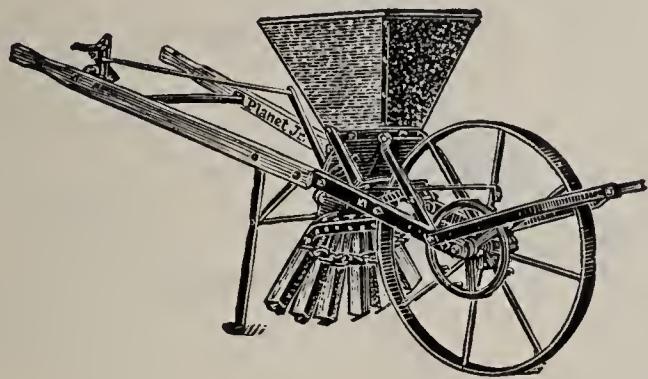
No. 119 Garden Plow and Cultivator with High Wheel

Farm and Garden Tools

No. 13 Double Wheel Hoe, and Single Wheel Hoe

Equipment includes one pair of 6 inch hoes for weeding and general cultivation. Made for those who want to select their own cultivating equipment. As a Double Wheel Hoe it will straddle rows 20 inches high and cultivate both sides at once. Easily and quickly changed to a Single Wheel Hoe for working between rows.

Planet Jr. No. 220 Fertilizer Distributor



Capacity 1 bushel. Will distribute 100 to 2000 pounds of commercial fertilizer to the acre. Hopper placed well forward over wheel making lighter load and easier pushing. Feed can be opened and closed without stopping.

Nos. 300 and 300A Drill Seeders

The No. 300 Seeder is the ideal machine for the farmer and commercial vegetable grower who does not have sufficient acreage to warrant a large tractor or horse-drawn outfit. It will plant in any vegetable seed from the smallest up to bush lima beans.

Barker Weeder, Mulcher and Cultivator

Kills the weeds and forms a level, porous soil mulch over a strip six inches to twelve inches wide. Just push it across the garden at a comfortable walk.

The New American Gardener Cultivator No. G2—4 Tools in One



Four high quality tools—trenching plow, sweep, cultivator and mulcher attachment—are mounted on a revolving head; mulcher attachment interchangeable with trenching plow. Loosen the hand wheel and turn any one of these tools into position.

You can keep your garden in splendid growing condition by the use of the American Gardener once a week. Simply push this splendid tool down the rows at a good walking gait. This wonderful new Mulcher-Pulverizer is now a regular part of every New American Gardener Cultivator. This tool is attached to the head in place of the trenching plow by removing one conveniently placed nut.

With this outfit you do not need to buy any other cultivating devices.

The soil is loosened, the sunlight and air are let in, life-giving moisture is saved, weeds are killed and plants respond in a way that will delight you. Gardening is a high speed job with this cultivator. Shipping weight 23 lbs.



An interesting photograph of a DEMONSTRATION of FARM IMPLEMENTS AND TRACTORS taken at the KENDALL & WHITNEY FIELD DAY GATHERING March 21st, 1934. The get-together meet of our farm friends is an annual event . . Over 200 enjoyed the "Big Bean Dinner" and a tour through the store.

Farm and Garden Tools

The H-K-P Three Power Forester Pruner

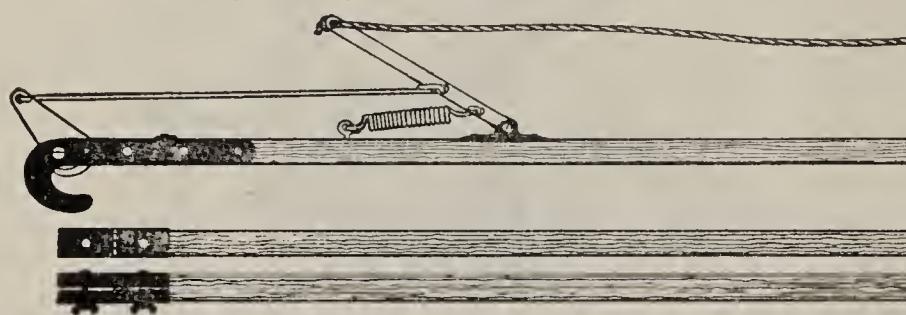


These tools are tremendously powerful. The edges are protected when the handles are closed, and in use the tool is much less apt to be dulled than an axe.

Prices

No. 1. Capacity 1 3/16 inch green wood	\$4.25
No. 2. Capacity 1 1/2 inch green wood	5.50
No. 3. Capacity 2 inch green wood	7.00

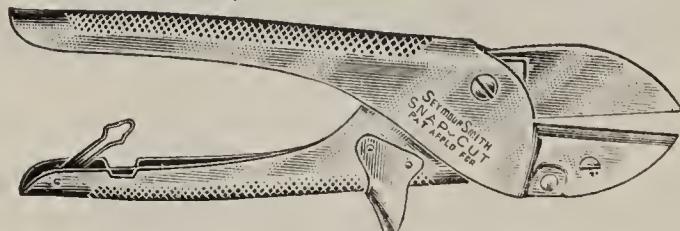
Tip-Top Tree Trimmer



For pruning raspberry, blackberry bushes and shrubs, and by adding 4 ft. sections to the handle to have a trimmer for use in the orchard and on shade trees with a handle as long as desired.

Price: Trimmer in three 4-ft. sections, \$2.00. Extra 4-ft. sections, 50c.

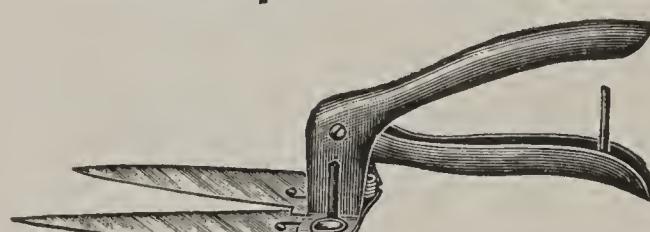
Snap-Cut Pruner



Easily cuts 3/4 inch branches, or smallest twigs. All steel, strong, comfortable, non-pinching handles, chrome finish.

Price: No. 119, 7 3/4 inches over all, \$1.75.

Doo-Klip Grass Shear



(It's a Good One)

Price: \$1.50; by mail, \$1.58.

GRINDSTONES

Samson Mounted

Frame of hard wood, securely bolted, fitted with both treadle and crank. The stones are from 22 to 26 inches in diameter.

The Harvest King Power Grindstone

For Farm Use

The frame is heavy angle steel, 1 1/4" x 1 1/4" x 3 1/16", strongly braced, is equipped with our high grade Cleveland Grindstone, 24"x2", a 5/8" shaft, 12"x2 3/8" pulley and heavy roller bearings, hand crank and drip cup. Weight, with regular equipment, about 125 lbs.

We also carry a line of unmounted stones from 18 to 30 inches in diameter, also, scythe stones of various kinds, and grindstone fixtures.

Doo-Klip Long Handle Grass Shear



Saves

Back Ache,
Leg Cramp
Stooping,
Blisters.

PRICE

\$2.50

Lawn and Dandelion Rake



Price 16-inch, 95c; 22 3/4-inch, \$1.10.

Carborundum Lawn Mower Sharpener

Simply hook one edge of sharpener over the rod on the lawn mower and press it lightly against the blades which are revolved by turning one wheel. Price 16 inch, 65c; by mail, 75c.

Dunham Water Ballast Roller



All in One

A light machine for soft, wet spring lawn. A heavy machine for the dry, hard summer lawn. A heavier machine for walks, drives, and tennis courts.

Weight

Cat. alog	No. of Drums No.	Diam. of Drums Inches	Width of Drums Inches	Weight with Empty Lbs.	Filled Lbs.
Roller Bearing	5	1	18 1/4	23 1/4	85 265
Roller Bearing	7	1	23 1/4	23 1/4	110 420
Plain Bearing	4	1	18 1/4	23 1/4	85 265

Farm and Garden Tools



Turf Edger



Spading Fork



3 Tined Hay Fork



Manure Fork



Steel Garden Rake



Potato Hook



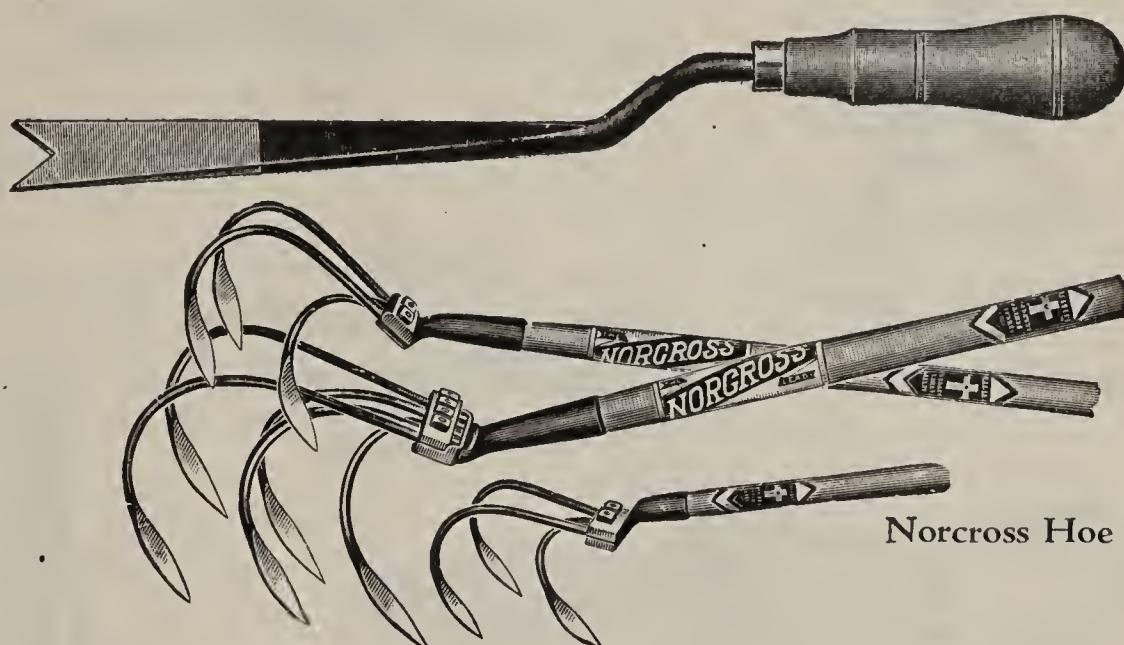
Boston Hose Nozzle



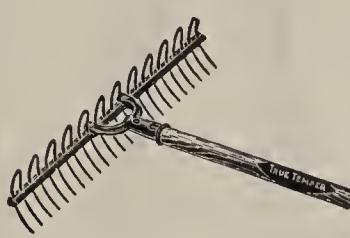
Double Edge Saw



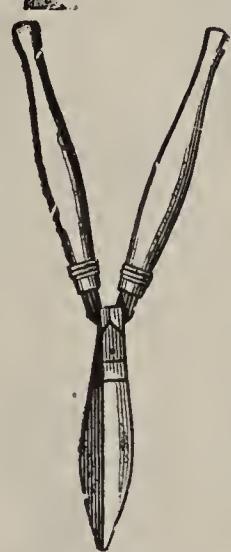
No. 16 Saw



Norcross Hoe

Steel Garden Rake
Bow Shank

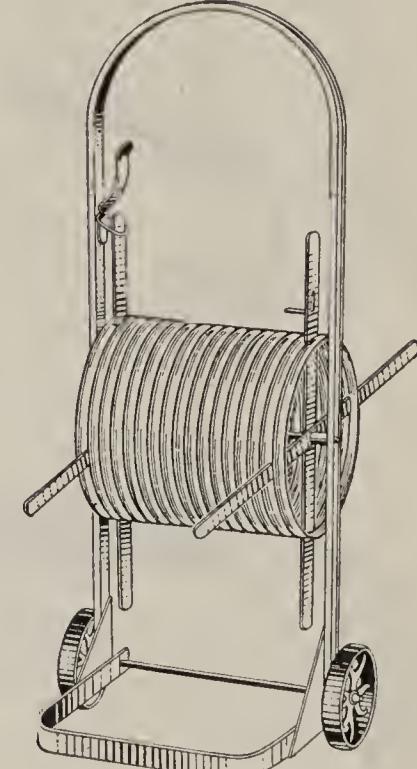
Wire Lawn Rake



Hedge Shears



No. 127 Grass Shears



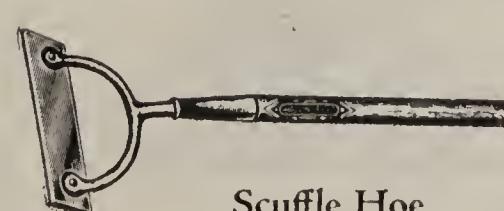
Victor Hose Reel



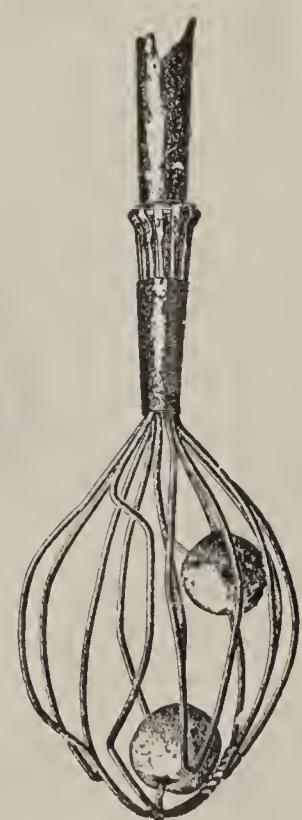
Field Hoe



Warren Hoe

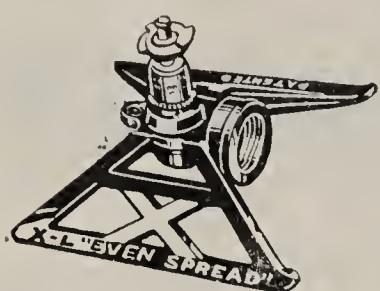


Scuffle Hoe



Fruit Picker

Farm and Garden Tools



XL No. 1 Sprinkler



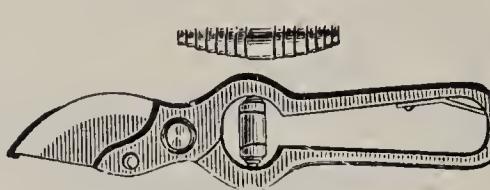
Pick



Axe Mattock



Pick Mattock



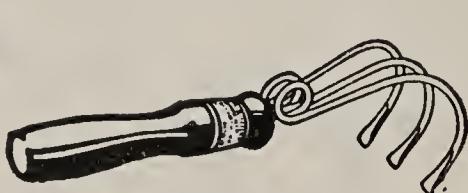
American Shears



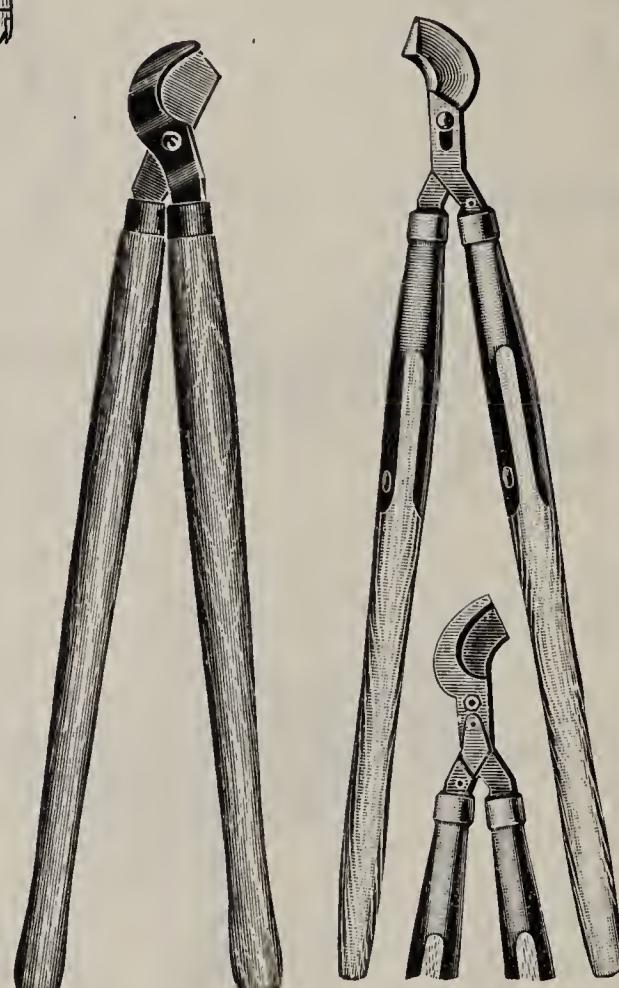
French Shears



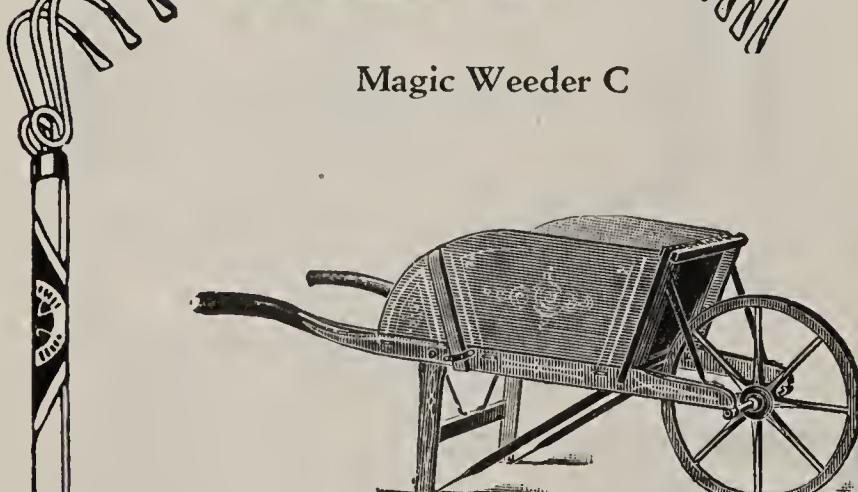
Excelsior Weeder



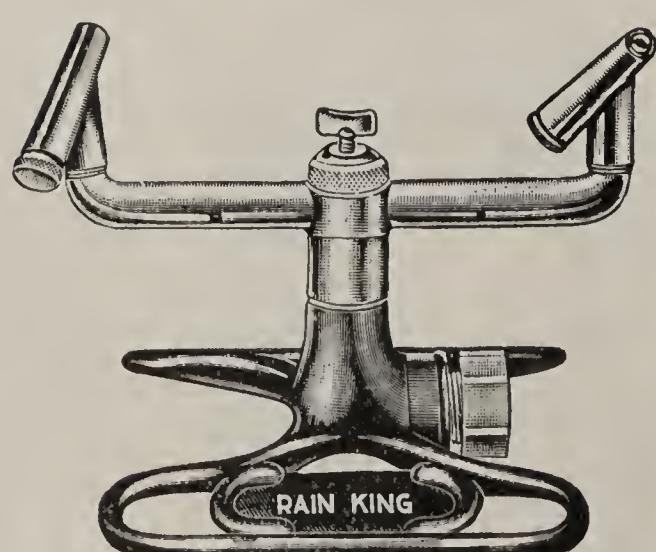
Magic Weeder A

Rockdale
PrunerClyde
Pruner

Magic Weeder C



Garden Barrow



Rain King Sprinkler



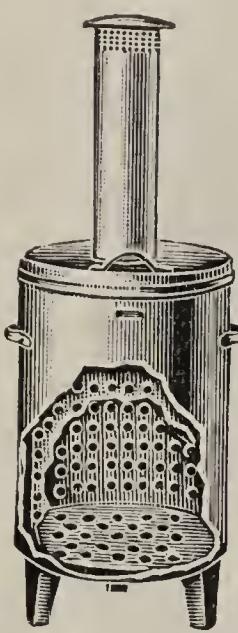
Bantam Shovel

Fox
SpadeLong Handle
Round Point
Shovel

Farm and Garden Tools

ASPARAGUS KNIVES	\$0.40; by mail, \$0.50
AXES	
Single Bit	1.60; by mail, 1.70
Double Bit	2.00; by mail, 2.10
AXLE GREASE	
Mica, 1 lb. ....	.20; by mail, .28
3 lbs. ....	.50; by mail, .60
Snowflake, 1 qt. ....	.50; by mail, .58
BALL, Ox. Brass	
Each	10c to 25c; by mail, 13c to 28c
BARS, Crow. Solid cast steel, 1b. ....	.12
BASKETS. See page 73.	
BOUQUET HOLDERS. Tin.	
No. 35. 3 1/4x6 7/8 in.	\$0.15; by mail, .22
No. 901. 7x9 in. ....	.50; by mail, .60
BRACKETS, Flower Pot	
One-pot .....	.45; by mail, .53
Two-pot .....	.55; by mail, .63
BROOMS	
House and Stable	\$0.75 1.45
By mail, add .....	.10
BRUSHES	
Bottle, each:	
No. 61	\$0.35; by mail, .43
No. 86 .....	.60; by mail, .68
Dust, each:	
No. 2 .....	.60
No. 3 .....	.65
No. 4 .....	.70
By mail, add .....	.08
Floor, each	\$1.40 to \$4.25
By mail, add .....	.12
Scrub, each:	
No. 0 .....	.20
No. 1 .....	.25
No. 3 .....	.30
By mail, add .....	.08
Stove, each:	
No. 31 .....	.35
No. 41 .....	.45
By mail, add .....	.08
Window, each:	
No. 50 .....	.65
No. 5	1.10
Wire Caterpillar	\$0.50; by mail, .58
BULL RINGS, Copper	
2 in. ....	.25; by mail, .30
3 in. ....	.30; by mail, .35
EDGING KNIVES	
D handle	1.25
Long straight handle	1.20
FILES, Round, Slim Taper and Mill	
FORKS	
Hay: 3 tine, 13-in., 14-in., 15-in. tine,	\$1.30, \$1.70
Manure: 4 tine, 5 tine, 6 tine,	\$1.50 2.00
Spading: 4 tine.	1.40
FRUIT PICKERS, Wire	
Without pole	\$0.60; by mail, .70
GARDEN LINES	
50 ft. ....	.60; by mail, .68
GARDEN LINE REELS	
\$2.00; by mail, 2.12	
GARDEN HOSE, in 50-ft. lengths	
1/2-in. 5/8-in. 3/4-in.	
Per foot	\$0.12 \$0.13 \$0.15
GARDEN TOOLS	
Set of Hoe, Rake and Spade	\$1.85; by mail, 2.00
GLAZING POINTS	
Per 1000 ....	.75; by mail, .83
GLOVES	
All cotton, or cotton with leather palm	\$0.20 .50
By mail, add .....	.05
GRAFTING CHISELS	\$1.00; by mail, 1.07
GRAFTING WAX. See page 62.	
GRASS CATCHERS	\$1.10, \$4.50
GRASS HOOKS	.50, .65
By mail, add .....	.10
GRASS SHEARS	
Doo-Klip. See page 56.	1.50
No. 127	1.00
By mail, add .....	.08
GRINDSTONES	
Mounted, No. 1, each	\$14.32
Mounted, No. 2, each	12.15
Unmounted, 22 to 30 in., \$5.50 to 12.90	
GUARDS	
Flower Bed	16-in. 22-in.
Per foot	\$0.08 \$0.10
HANDLES	
Axe	\$0.35 to \$0.60; by mail, add \$0.10
Hay Fork, 3 1/4 ft. to 6 ft.	
.....	\$0.35 to \$0.65; by mail, add .15
Hoe	\$0.30; by mail, add .10
Manure Fork .....	.65; by mail, add .12
Pick .....	.50; by mail, add .12
Rake .....	.50; by mail, add .12
Shovel \$0.75 to \$0.80; by mail, add .12	
HEDGE SHEARS	
8-in.	\$2.50; by mail, 2.60
9-in.	2.65; by mail, 2.75
10-in.	2.80; by mail, 2.90
HOSE MENDERS	.10; by mail, .13
HOSE NOZZLES	.45; by mail, .53
HOSE RACKS	.35
HOSE REELS, Steel	
Victor	1.35
HOES	
Field	\$1.00 \$1.10
Norcross, 3 tooth .....	.75
Norcross, 5 tooth	1.00
Potato .....	.90 1.40
Scuffle	1.10
Warren	1.30
KNIVES	
Bread.	\$0.75; by mail, .83
Budding	3.50; by mail, 3.55
Hay	1.75; by mail, 1.90
Pruning	\$1.00 2.15
.....	By mail, \$1.05 2.20
LABELS, Wood Pot	
Plain:	
4 in., per M.	1.60
4 1/2 in., per M.	1.70
5 in., per M.	1.80
6 in., per M.	2.00
Painted:	
4 in., per M.	2.00
4 1/2 in., per M.	2.10
5 in., per M.	2.20
6 in., per M.	2.50
.....	By mail, add 10c per M.
LABELS, Wood Tree	
3 1/2-in. copper wire.	\$2.40; by mail, 2.50
MATTOCKS	
Axe	1.00; by mail, 1.15
Pick	1.00; by mail, 1.15
PICKS	
Contractor's	1.10; by mail, 1.15
Railroad .....	.80; by mail, 95
PLANT STANDS. See page 75.	
Wire	\$3.85 7.75
POTS. See pages 73, 74.	
POWDER GUNS. See page 52.	
PLANT TUBS. Painted green.	
12 in.	1.10
14 in.	1.65
15 in.	1.75
PRUNERS	
Rope Pull:	
8-ft. handle	1.20
10-ft. handle	1.25
12-ft. handle	1.35
14-ft. handle	1.65
16-ft. handle	1.85
Standard:	
8-ft. handle	1.50
10-ft. handle	1.60
12-ft. handle	1.75
RAFFIA, per lb.	\$0.30; by mail, .38
RAKES	
Bamboo Lawn .....	.50
Steel Garden	\$0.80, 1.20
Steel Gravel	1.00, 1.35
Wire Lawn .....	.90
Wood Hay .....	.60, .80
Wood Lawn .....	.90, 1.00
SAWS	
Pruning, double edge.	
18-in.	\$1.35; by mail, 1.45
20-in.	1.45; by mail, 1.55
No. 16, 14-in.	
.....	adjustable blade 2.25; by mail, 2.35
Wood	1.50; by mail, 1.60
SCYTHES	1.85; by mail, 2.00
SCYTHE SNATHS	1.50
SCYTHE STONES	\$0.15 .25
.....	By mail, .22 .32
SHEARS (for pruning)	
American:	
No. 10, 6-in., black .....	.60
No. 30, 9 in. ....	.75
.....	By mail, add .07
Clyde. (Similar to Rockdale, but heavier and has draw cut):	
22-in. handle	\$2.75; by mail, 2.85
24-in. handle	3.00; by mail, 3.10
French:	
8-in.	2.25; by mail, 2.32
9-in.	2.50; by mail, 2.57
10-in.	2.75; by mail, 2.83
SHEARS	
Rockdale, wood handle:	
26-in. handle	\$1.65; by mail, 1.75
30-in. handle	1.90; by mail, 2.00
SHEEP SHEARS	1.50; by mail, 1.57
SHOVELS	
D Handle	
Square or round..	1.45; by mail, 1.58
Long Handle	
Square or round	
point	1.45; by mail, 1.58
Bantam Shovel	
Square or round	
point	1.45; by mail, 1.58
SPADES	
Tin or galvanized iron	
\$0.35 to \$0.60; by mail, add .....	.12
SPRAYERS	
Compressed Air. See pages 51-52.	
Wheelbarrow. See page 42.	
SPRINKLERS	
Galvanized iron:	
4-qt.	\$0.65; by mail, .75
6-qt. ....	.70; by mail, .83
8-qt. ....	.75; by mail, .87
10-qt. ....	.85; by mail, .97
12-qt.	1.10; by mail, 1.25
16-qt.	1.20; by mail, 1.35
SPRINKLERS—Lawn	
Rain King (gives a revolving or stationary spray, either fine or coarse.)	
Standard	\$2.25; by mail, 2.35
Majestic	
15 in. high	5.00; by mail, 5.15
XL No. 1	1.00; by mail, 1.10
XL No. 2	2.00; by mail, 2.10
STAKES	
(For supporting plants.) See page 75.	
SUPPORTS—Tomato	
Bartlett. See page 75.	
Bryant. See page 75.	
THERMOMETERS	
Dairy .....	.50; by mail, .55
Brooder .....	.50; by mail, .55
Incubator .....	.75; by mail, .80
House .....	.50; by mail, .55
TRELLISES	
Ivy pattern. See page 75.	
Fan pattern. See page 75.	
Veranda pattern. See page 75.	
Wire. See page 75.	
TROWELS	
No. 809, all steel,	
6-in.	\$0.25; by mail, .30
Ladies', 6-in. ....	.15; by mail, .20
Transplanting, 6-in. ....	.20; by mail, .25
Solid steel, 6-in....	.70; by mail, .77
Solid steel, 7-in....	.75; by mail, .82
TWINE	
Cotton, ball .....	.10; by mail, .15
Hard, ball .....	.45; by mail, .52
Soft, ball .....	.25; by mail, .35
Tarred Lath Yarn	
Lb. ....	.25; by mail, .32
WEEDERS	
Excelsior .....	.20; by mail, .25
Hazeltine .....	.30; by mail, .35
Magic A .....	.20; by mail, .27
Magic C .....	.30; by mail, .37
Magic D .....	.50; by mail, .57
Magic BB	
36-in. handle ....	.30; by mail, .38
Midget .....	.50; by mail, .60
Norcross, 3-tooth ..	.75
Norcross, 5-tooth ..	1.00
WHEELBARROWS	
Canal	6.00
Canal, all steel	9.00
Canal, steel tray	8.75
Garden, large	8.50
Garden, medium	\$6.25 to 8.00

Farm and Garden Requisites



The "Burn-All" Incinerator

Endorsed by Health and Fire Authorities

For quick and safe disposal of rubbish, refuse and garbage for all home owners, private institutions, country clubs, schools, farmhouses, camps, resorts, parks, industrial plants, stores, estates, etc. The "Burn-All" will burn all your refuse and is the last word in sanitary garbage disposal.

COMPLETE SPECIFICATIONS

Model Nos.:	No. 1A	No. 4	No. 8
Capacity—Bushels:	2 1/4	4 1/2	8 7/8
Diameter of Body	19"	24"	33"
Height of Body	26"	30"	30"
Height of Legs	6"	6"	7"
Length of Pipe	23"	26"	26"
Diameter of Pipe	5"	6"	6"
Height Over All	4' 7"	5' 2"	5' 3"

Cyclone Catch-All Basket

The Ideal Rubbish Burner for Homes, Schools, Parks, Tourist Camps, Etc.

Fill them up—burn them out. The raised bottom permits draft; the close mesh keeps burning fragments safely confined, no fire hazard. Specifications: Height, 29 inches. Width at top, 20 inches. Width at bottom, 16 inches. Weight, including cover, 14 1/2 lbs. each. Size of wire used, No. 10 gauge. Size of mesh, 1 1/2 inch. Welded at every fourth intersection; 198 welds. Very rigid construction. Finish, baked green enamel.

Plastic Wood

Handles like putty, hardens into wood. Water-proof. Grease-proof. Climate-proof. Prices: Tubes 25c; 1/4-lb. can, 35c; 1-lb. can, \$1.00. By mail, tubes 28c; 1/4-lb. can, 40c; 1-lb. can, \$1.08.

LePage Liquid Solder

Mends glass, ivory, leather, wood, crockery, furniture, radiators. No heat necessary. Price per tube, 25c.

Barrel Liners and Pulp Heads

For Apple Barrels

Write for prices.

Hay Ties

No. 15 Cross Head, 6, 6 1/2, 7, 7 1/2, 8, 8 1/2, 9, 9 1/2. Write for prices.

Snow Shovels

WOOD, 7x10, 25c; 9x12, 45c; 11x14, 50c; 14x18, \$1.10. STEEL, D Handle, 75c; Long handle, 60c; Trojan, 90c. NO. 23 PEERLESS shape with spring steel blade, 85c. LITTLE WONDER. Used either as a sand or snow shovel. Blade 7 1/2 inches by 8 1/2 inches. Price 25c. By mail, 35c.



The Deering Snow Scoops

For railroad crossings and platforms, ice ponds, mill yards, flat roofs, concrete walks, and general shoveling.

Price: 2 feet, \$5.50;
2 feet 6 inches, \$6.75.

Hay Knife

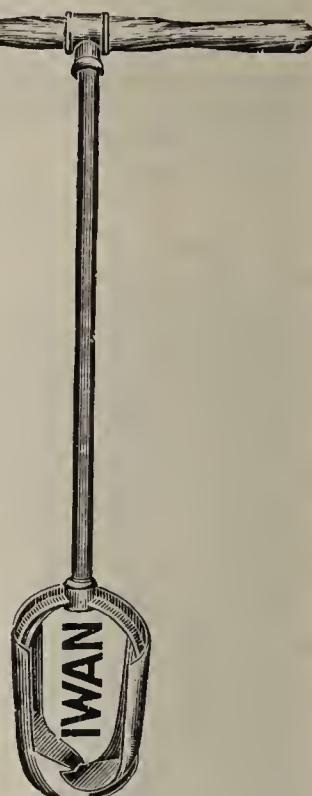
Price: \$1.75. By mail,
\$1.90.



Iwan Post Auger

Large cutting surface. Great durability. Light pressure needed. Works satisfactorily on wet or dry ground. Easily emptied.

Price: 4 in., \$2.25; 6 in., \$2.25; 8 in., \$2.50.



Blueberry Picker

Made in the following sizes:

25 point	.....	\$2.65
30 point	.....	3.00
35 point	.....	3.25
40 point	.....	3.50
45 point	.....	4.00
50 point	.....	4.25

By mail, add 10 cents

Corn Poppers

Prices:

4 quart, 70c; by mail	.....	\$0.82
8 quart (factory size), \$4.25; by mail	.....	4.45

Pop Friers

No. 3MB. A new popper with a sliding cover, wire handle and metal pan in the bottom. 2 qt., 40c; by mail, 50c.

No. 3 Like above without the pan. 35c; by mail 45c.

Popping Corn

LITTLE BUSTER. Pops without any hard center.

WHITE RICE. Both shelled and on the cob.

DYNAMITE, or SOUTH AMERICAN YELLOW CORN. Pops very large, fine flavor, tender and an attractive color.



Wooden Measures

In sets of 1, 2, 4, 8, and 16 quarts.

Price per set, \$3.25.

High-Grade Screen Doors and Window Screens

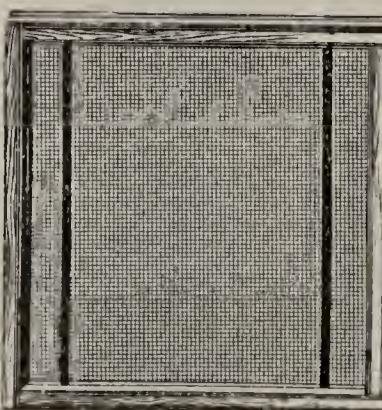
Our screen doors are square mortised and tenoned joints throughout, making the strongest and best construction possible.

The wire cloth is placed on the screen door by special machinery, which stretches the cloth drumhead tight. The wire cloth is pressed into a groove in the wood and covered with a flush beaded moulding, mitered at corners, which prevents the cloth from becoming loose and baggy.

Adjustable Window Screens

"The Continental"

Guaranteed to have perfect adjustment. Wire cloth is securely fastened to frame and covered with moulding. Material used is best hard wood finished in oil, both sides alike.

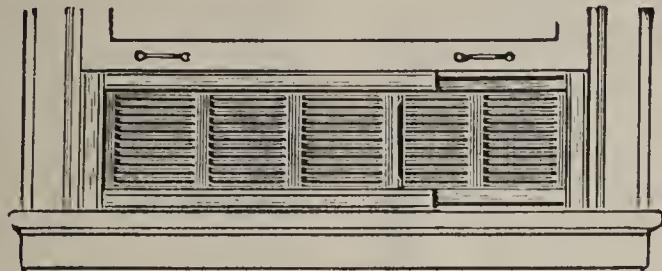


Sizes

No.	High	Closed	Opened
1533	15 in.	21 in.	33 in.
1833	18 in.	21 in.	33 in.
2433	24 in.	21 in.	33 in.
2437	24 in.	23 in.	37 in.

Garden, Household and Farm Requisites

"Deflektair" Metal Center Window Ventilator



Rain or snow outside. Fresh air inside without draft. Protects curtains and draperies from moisture, dust, and soot. Adjustable to any window. Strongly constructed.

Made in the following sizes:

No. 87. 8 inches high, adjustable 21 to 37 inches wide, 35c; by mail, 45c.

No. 117. 11 inches high, adjustable 21 to 37 inches wide, 55c; by mail, 65c.

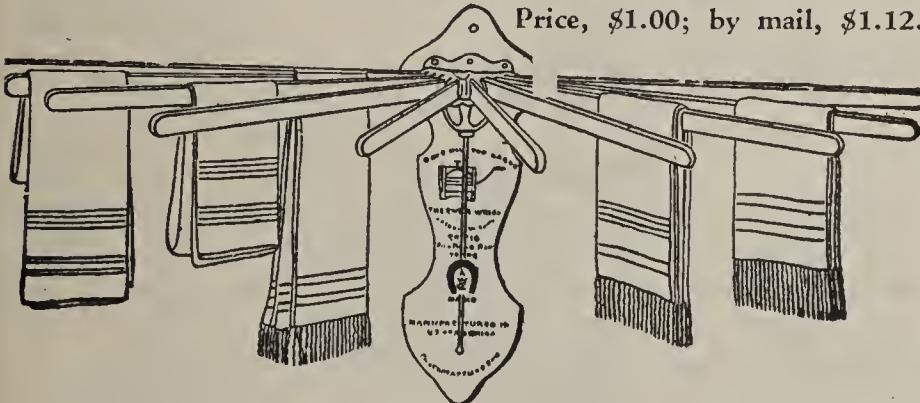
Continental Sanitary Window Ventilators

A specially treated cotton fabric of fine mesh. Keeps out all drafts, dust, rain, and snow, but permits a constant circulation of fresh air. The frame is of hard wood, adjustable to fit any ordinary window opening.

No.		Price	By Mail
937.	9 in. high, extends 23 to 37 in. wide,	.35	.45
949.	9 in. high, extends 29 to 49 in. wide,	.45	.55
1537.	15 in. high, extends 23 to 37 in. wide,	.45	.55
1539.	15 in. high, extends 29 to 49 in. wide,	.60	.70

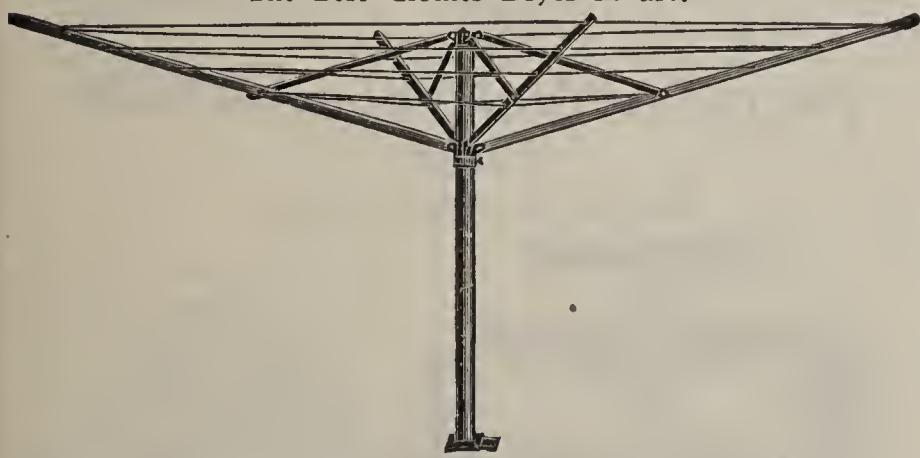
Empire Folding Wall Dryers

Price, \$1.00; by mail, \$1.12.



Advance Clothes Dryers

The Best Clothes Dryer in use.



No. 1, 120 ft. line, \$5.75; No. 2, 160 ft. line, \$6.00. Balcony Dryers, \$13.50.

K. & W. Sanitary Sweeping Compound

Used on carpets, rugs, linoleums, mattings, tile and wood floors; absorbs the dust, thereby preventing the scattering of disease germs.

Composed of a special wool pulp combined with absorber and silica, which gives it its cleansing property. The oil of cedar, which is used as a disinfectant, is one of the best known to medical science.

Price, 50-lb. keg, \$2.25; 100-lb. keg, \$3.75. Special quotations on large quantities.

O'Cedar Polish and Dust-less Mop

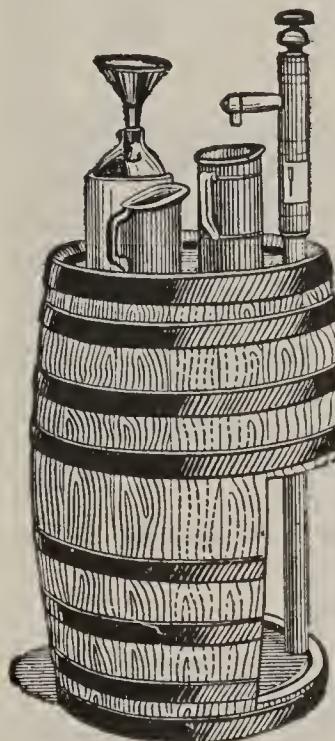
4 oz. bottle	\$0.25, by mail, \$0.35
12 oz. bottle	.50, by mail, .60
Quart can	1.25, by mail, 1.35
Half gallon can	2.00, by mail, 2.15
One gallon can	3.00, by mail, 3.15

O'Cedar Mops, No. 3 (slip on pad), \$1.50; by mail, \$1.60. No. 4 (slip on pad), \$1.00; by mail, \$1.10. No. 15, solid center mop, 75c; by mail, 85c.

No. 32 Floor and wall duster, 11x17 in. \$1.50, by mail, \$1.65.



Brooms, Brushes, and Dusters, and a Large Variety of Wooden Ware of All Kinds



20th Century Barrel Pump for Vinegar

Made from chemicalized wood and is strictly non-corrodible. Price. \$2.00.

Stone Ware

All sizes of Stone Pork Barrels, Butter Pots, Bean Pots, Preserve Jars, Jugs and Churns.

BEAN POTS

1 quart,	\$0.35	4 quart,	\$0.50
2 quart,	.40	6 quart,	.65
3 quart,	.45	8 quart,	.80

BUTTER POTS WITH COVERS

1 gal.	\$0.40	4 gal.	\$1.10
2 gal.	.60	5 gal.	1.40
3 gal.	.90	6 gal.	1.60



PORK BARRELS, NO COVER

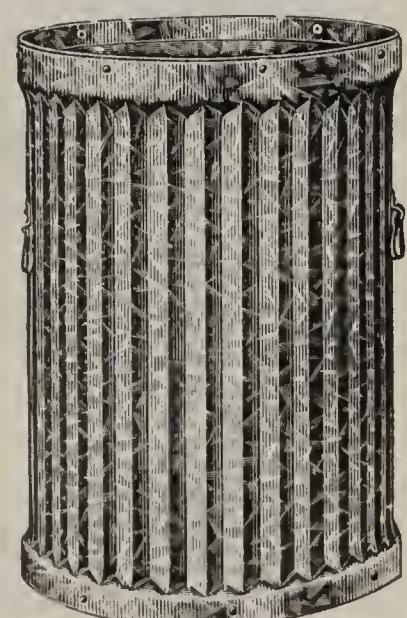
8 gal.	\$2.25	25 gal.	\$7.25
10 gal.	2.50	30 gal.	8.50
12 gal.	3.00	35 gal.	17.00
15 gal.	4.00	40 gal.	20.00
20 gal.	6.50	50 gal.	25.00

Galvanized Iron Ash Barrels

Solid, heavy barrels. No danger from hot ashes.

PRICE

No. 0400, 17x26, ..	\$2.25
No. 0500, 18x26, ..	2.50
No. 0190, 18x26,	
ribbed	3.50



Farm, Household and Garden Requisites



Garbage Pails

Made from galvanized iron.

No. 000,	3 gal.	\$0.75
No. 02,	6 gal.	1.00
No. 03,	8 gal.	1.25
No. 04,	10 gal.	1.35

Galvanized Iron Pails

10 quart,	\$0.30
12 quart,	.35
14 quart,	.40
16 quart,	.45
10 quart, extra heavy	.65
12 quart, extra heavy	.70
14 quart, extra heavy	.75
16 quart, extra heavy	.85

Trowbridge's Grafting Wax

The finest quality made, put up in neat packages with directions for use. 1-lb. package, 50c; $\frac{1}{2}$ -lb. package, 30c; $\frac{1}{4}$ -lb. package 20c. By mail, 10c per pound extra.

Blake's Grafting Wax

Will not run in hot weather or crack in winter. 1-lb. packages, 50c; $\frac{1}{2}$ -lb. packages, 30c; $\frac{1}{4}$ -lb. packages, 20c. By mail, 10c per pound extra. BEESWAX. 50c per pound. By mail, 10c per lb. extra.

Wash Boilers

8-in. X, tin bottom	....\$1.85	9-in X, copper bottom, ...\$2.50
9-in. X, tin bottom	....2.00	8-in. Rome, all copper,... 3.50
8-in. X, copper bottom	....2.25	9-in. Rome, all copper, ... 3.75

Oil Cans



PRICE

5-gallon Red Band	....\$1.25
5-gallon Peerless, brass faucet	....1.75
5-gallon Economy, gasoline can	....1.00
1-gallon Blue Band	....50
	By mail, .60
2-gallon Blue Band	....65
	By mail, .75

Parowax

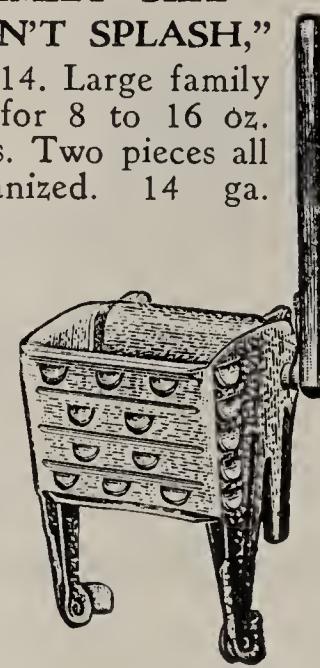
For covering jelly. Per lb., 15c.

White "Can't Splash" Mop Wringers

FAMILY SIZE

"CAN'T SPLASH,"

No. 14. Large family size for 8 to 16 oz. mops. Two pieces all galvanized. 14 ga. steel.



Price, \$2.75
By mail, \$2.95

JANITOR'S SIZE

"CAN'T SPLASH,"

No. 1. Hotel size, for 16 to 24 oz. mops. Heavy galvanized steel sides and front, wood back and bottom. Enamored back.



Price, \$3.50
By mail, \$3.70

Cotton Gloves and Mittens

No. 14K 14 oz.	.....25c per pair
No. 42K 7 $\frac{1}{2}$ oz.	.....18c per pair
No. 1 Jersey	.....25c per pair
No. 110 Leather Palm	.....30c per pair
No. 322 Leather Palm	.....55c per pair
No. 52 Jersey Mitten	.....25c per pair
No. 509 Leather Palm Mitten	.....50c per pair

By mail add 5c per pair.

Fruit Jar Rings

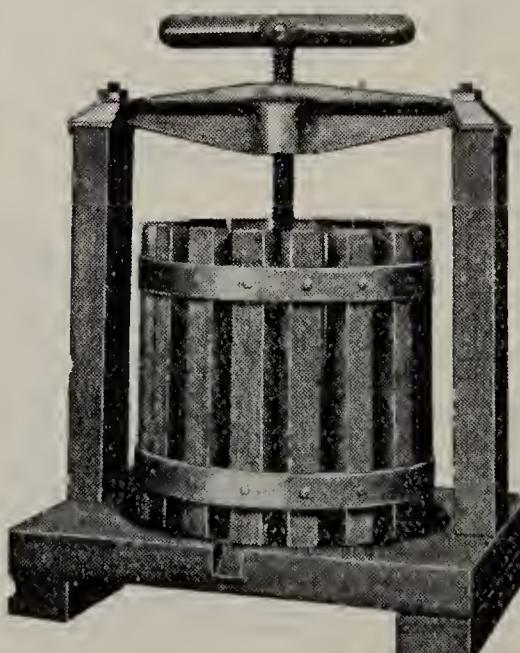
Made just right for every kind of canning, hot pack, cold pack, or steam pressure. Indispensable for steam pressure work, as they stand long boiling and any temperature.

Made 2 $\frac{1}{4}$ in. inside diameter by 10/32 flange, cut 12 to the inch as approved by the U. S. Department of Agriculture. They fit all popular styles of fruit jars.

Manufactured from highest grade rubber, and attractively packed in handsome colored containers. Per doz., 10c; by mail, 12c.

The No. 0 "Oasis" Wooden Fruit Press

For use on table or bench



The steel press screw has a clean-cut thread and operates through a heavy nut which completely surrounds the cross-head.

Specifications for No. 0 Press: Height of frame, 17 $\frac{1}{4}$ inches; width of frame 14 $\frac{1}{2}$ inches; depth of press, 11 inches; size of tub 9x9 $\frac{1}{4}$ inches; capacity of tub, about 8 quarts; weight, complete, 23 pounds. Price, \$3.50.

Farm, Household and Garden Requisites



Double Safety Jars

Double Safety Jars are the only jars of the wire top variety that carry Good Housekeeping Seal. $\frac{1}{2}$ pt., 1 pt., 1 qt., 2 qt.

Atlas Easy Seal (E-Z) Jars

A name known wherever jars are used, for Atlas Jars are reliable. $\frac{1}{2}$ pt., 1 pt., 1 qt., 2 qt. Write for prices.

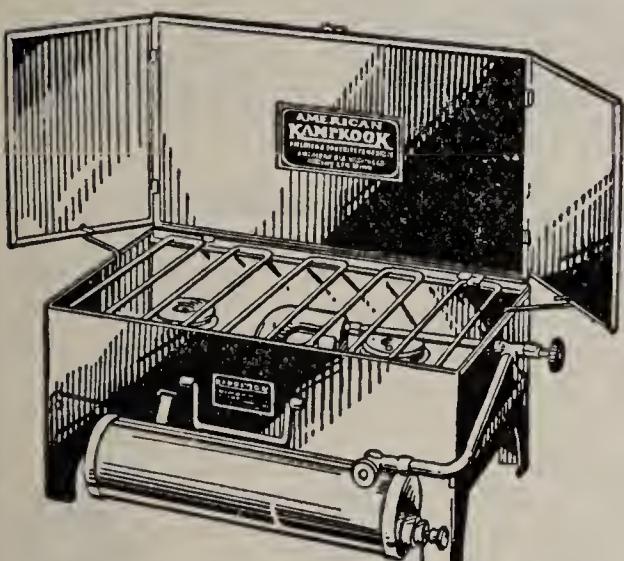
Jelly Tumblers

Best quality clear glass. $\frac{1}{3}$ pints, packed, 1 dozen to the carton, 6 cartons to the case.

American Kitchenkook

Kitchenkook is a gas stove, making its own gas from any good grade of gasoline. Lights with a match, equipped with our Blue Flame match lighter. In one minute all burners are ready; turn them on or off as wanted like gas.

Prices, \$15.00 to \$75.00. Send for circular.



Prices:

No. 44 two burner, $10\frac{1}{2} \times 17\frac{1}{4}$ in. top, \$6.20.

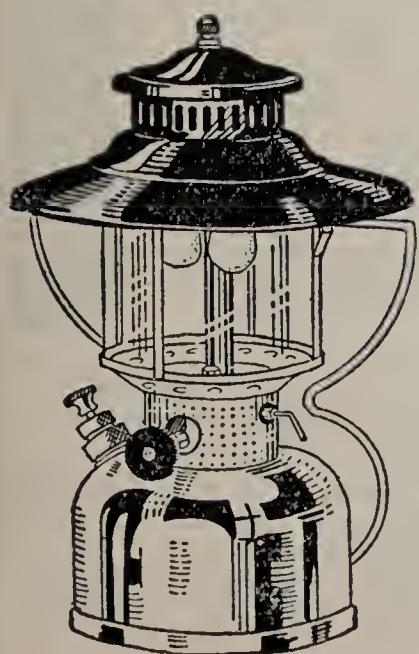
No. 45 two burner, $10\frac{1}{2} \times 19\frac{1}{2}$ in. top, \$7.80.

No. 88 two burner, 10x19 in. top and built in oven \$10.40.

American Ready-Lite Lamps and Lanterns

Cost less than oil to use, give 25 times as much light, cleaner and safer. Can not spill nor leak, nor explode if upset. Lights instantly.

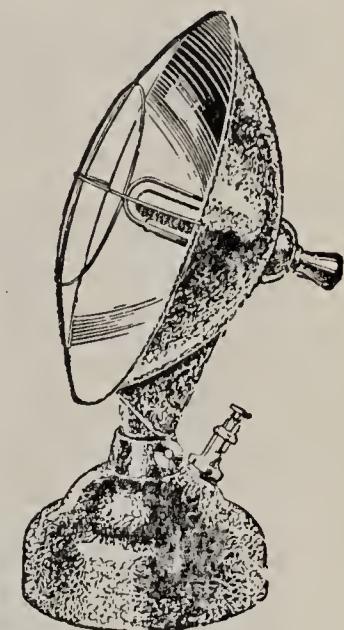
Price: Lamps, \$6.50 to \$10.50. Lanterns, \$8.00 to \$8.50.



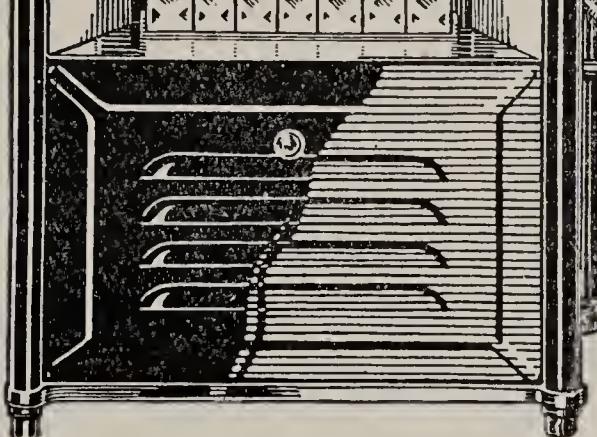
American Readyglo Heater

It focuses its heat just where it is needed. Easily and quickly generated with a small alcohol torch. Has 14 in. polished adjustable reflector. Filler plug and built-in pump is in one unit. Will burn from 12 to 15 hours.

Price, \$4.00.

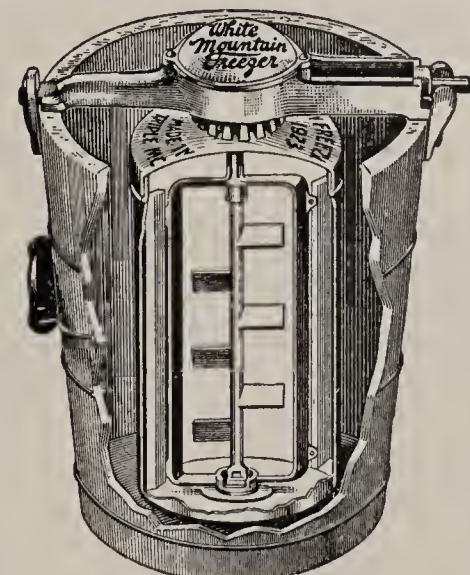


American Radiant Heater



It's a real gas heater making its own gas from gasoline. No gas tubing, no connections. Distributes heat by radiation from fire clay radiants, and by reflection from the highly polished reflector surrounding the radiants on three sides. Tank holds 1 gal. sufficient for 8 to 10 hours.

Price, \$15.00.



Ice Cream Freezers

"White Mountain"

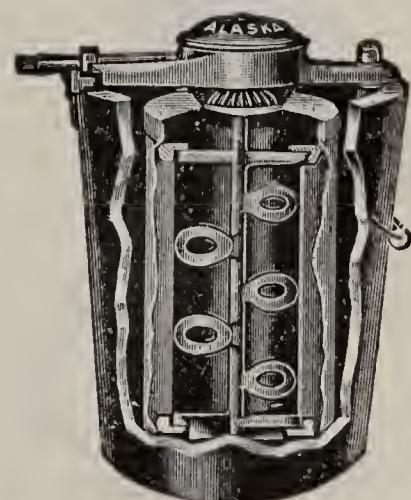
Junior	\$ 2.00
1 quart	3.65
2 quart	4.25
3 quart	5.10
4 quart	6.20
6 quart	7.85
8 quart	10.15
10 quart	13.50
12 quart	16.20
15 quart	19.20
20 quart	24.90
25 quart	31.90

"Alaska" Ice Cream Freezer

The cut also shows the new device attached to the under part of the gear frame or cross-bar, which effectually protects the gearing and can cover from salt and ice.

PRICES

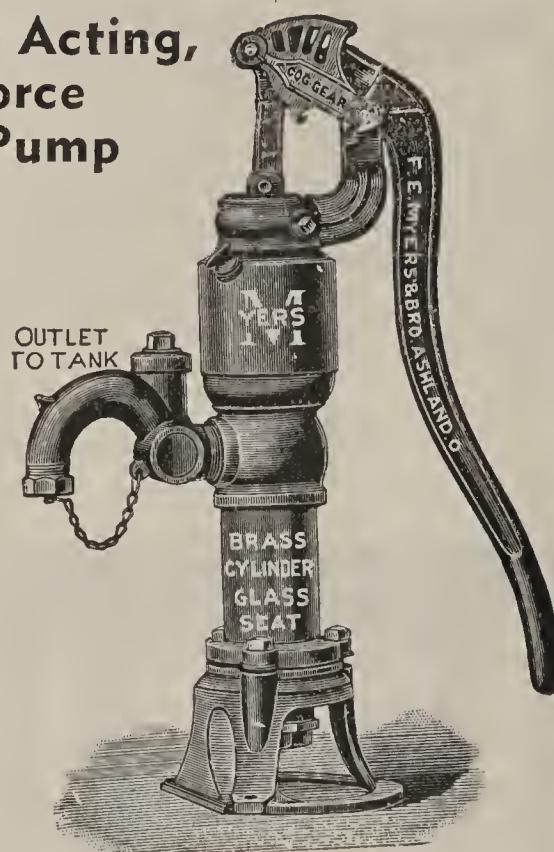
1 quart, \$3.00	8 quart, \$ 8.25
2 quart, 3.50	10 quart, 10.80
3 quart, 4.00	12 quart, 14.00
4 quart, 5.00	15 quart, 17.20
6 quart, 6.35	20 quart, 21.70



Double and Single Action Pumps

Myers Double Acting, House Force and Lift Pump

Fig. R251. This pump is double acting, has heavy seamless brass upper and lower cylinders, with patented glass valve seat, fibre rubber check valve and expansion plunger bucket. A powerful pump for forcing water to an elevation or into a tank. Tapped for 1 $\frac{1}{4}$ -in. pipe.



Myers Cog Gear Double and Single Acting Force and Lift Pumps— Anti-Freezing

The Myers Single Action

Fig. R1072. A single acting anti-freezing Force Pump. Has adjustable base and reversible spout; 3-in. brass cylinder with glass valve seat, tapped for 1 $\frac{1}{4}$ -in. pipe. Capacity, 440 gallons per hour.



The Myers Double Action

Fig. R72. A double acting, anti-freezing force pump for shallow or deep wells. Has a 3-in brass lined lower cylinder, with glass valve seat. The brass upper cylinder is 4 $\frac{1}{2}$ ft. below the platform, tapped for 1 $\frac{1}{4}$ -in. pipe. Capacity, 440 gallons per hour.

Myers Cog Gear House Lift Pump

No. R245. This pump siphon spout. Also fitted with 3-in. brass cylinder, glass valve seat, and patent drop valve. Tapped for 1 $\frac{1}{4}$ -in. pipe.

Myers Long Stroke Cog Gear Pitcher Pump

No. R416. This pump is built to fill the requirements of a pitcher pump with extra large capacity. It is fitted with rolling motion cog gear handle, adjustable to any desired angle. The cylinder is bored and highly polished. Arranged to drop the water to prevent freezing. Tapped for 1 $\frac{1}{4}$ -in. pipe.

Myers Long Stroke Cog Gear Brass Cylinder Pitcher Pump

No. R220. Built in strictly first-class manner, with seamless drawn brass cylinder, rubber fibre check and revolving top. Tapped for 1 $\frac{1}{4}$ -in. pipe.



Deming Open Top Pitcher Spout Pump

No. 125. Adjustable Lever and Cut-Off Base for a Vertical Suction Lift of 25 ft.

The Myers Lift Adjustable

Fig. R1052. Lift pipe, anti-freezing. Has adjustable base and reversible spout; 3-in. brass lined cylinder with glass valve seat, tapped for 1 $\frac{1}{2}$ -in. pipe. Capacity, 440 gallons per hour.

Brass Lined Cylinders

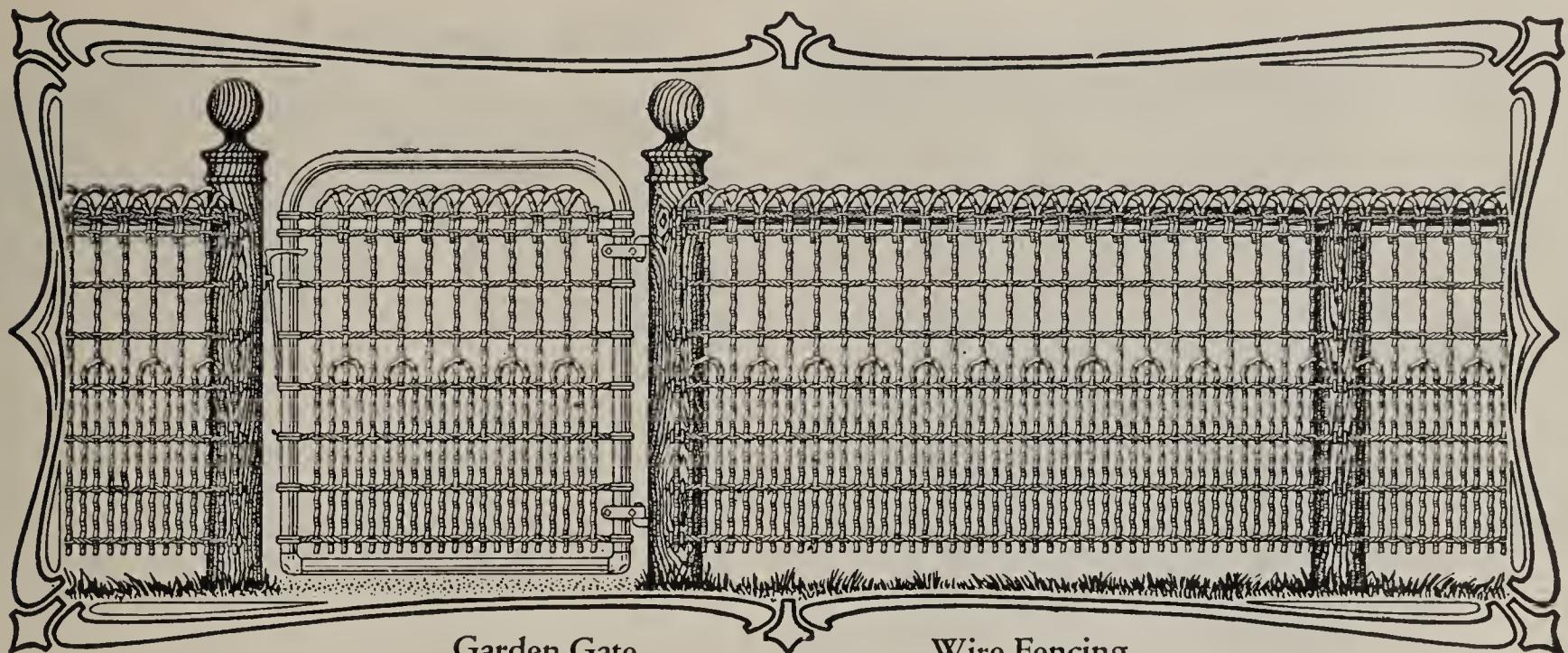
Illustration shows the cylinder. It is made with quick closing cushion poppet valves. All plungers have brass cage, valve and seat.



Brass Jacket Drive Well Point

No. 661. This well point is made of galvanized iron pipe with elliptical holes punched of uniform size and equal distance apart. It contains the greatest number of holes possible to punch in a pipe and retain sufficient strength for driving.

Garden, Poultry and Animal Fences



Waukegan Galvanized Cyclone Sanitary Wire Fencing

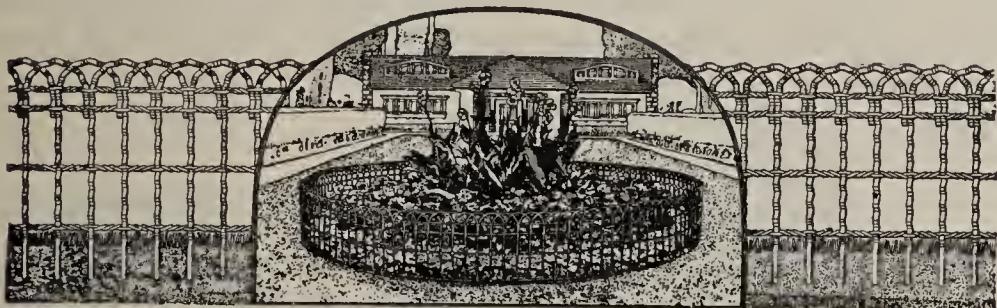
Style "F" fabric shown above on ordinary wood posts opens up the yard to fresh air and sunlight, creates healthy playgrounds out of unsanitary back yards and makes gardens, flower beds, lawns, etc. possible.

Pickets are all No. 9 heavily galvanized wire, spaced $2\frac{7}{8}$ inches apart at top, $1\frac{3}{8}$ inches at bottom, making fence absolutely chicken proof.

Style "F" Fabric, three sizes, 36-inch, $15\frac{1}{2}$ c per ft.; 42-inch, $17\frac{1}{2}$ c per ft.; 48-inch, 20c per foot.

Universal Garden Gates

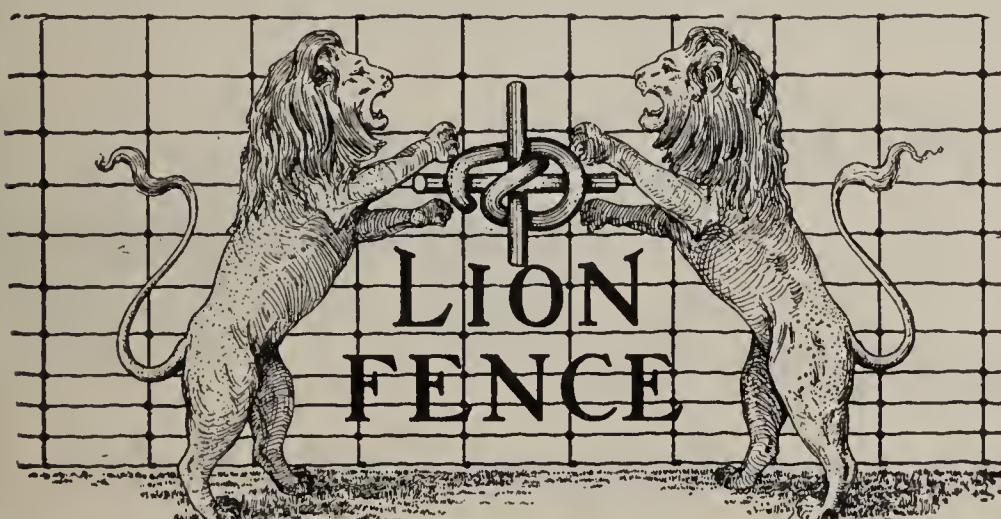
These are low-priced, strong, practical and durable. Choice of 36, 42, or 48 inch heights. 3 foot opening.



Perfection Flower Guard

Affords ample protection against dogs, cats, chickens, etc. Besides keeping children from running over flower beds. Fits any shape or size of flower bed. No posts necessary. Picket ends are left straight for inserting in the ground. Pickets No. 9, cables No. 13 heavily galvanized wire.

Two sizes, 16 inches high, 8c per ft.; by mail, 11c. 22 inches high, 10c per ft.; by mail, 13c.



Poultry

P 1848-6	18 bars, 48 inches, 32 stays per rod. 5 inches.	Spaced, 1½ 1½ 1½ 1½ 2 2 2 2 2½ 3 3½ 4 4 4½ 5
P 2058-6	20 bars, 58 inches, 32 stays per rod. 5 5 5 5 inches.	Spaced, 1½ 1½ 1½ 1½ 2 2 2 2 2½ 2½ 3 3½ 4 4 4½

Hog . . .

{ O 726-6	7 bars, 26 inches, 32 stays per rod.	Spaced, 3 3 3½ 4½ 5½ 6 inches.
{ O 832-6	8 bars, 32 inches, 32 stays per rod.	Spaced, 3 3 3½ 4½ 5½ 6 6½ inches.

Cattle . . .

{ O 635-12	6 bars, 35 inches, 16 stays per rod.	Spaced, 6 6 7 8 8 inches.
{ O 845-12	8 bars, 45 inches, 16 stays per rod.	Spaced, 4 5 6 6 7 8 8 inches.
{ O 1047-6	10 bars, 47 inches, 32 stays per rod.	Spaced, 3 3 3½ 4½ 5½ 6 6½ 7 8 inches.
{ S 1155-12	11 bars, 55 inches, 16 stays per rod.	Spaced, 3 3 3½ 4½ 5½ 6 6½ 7 8 8 inches.

Cyclone Single Trellis

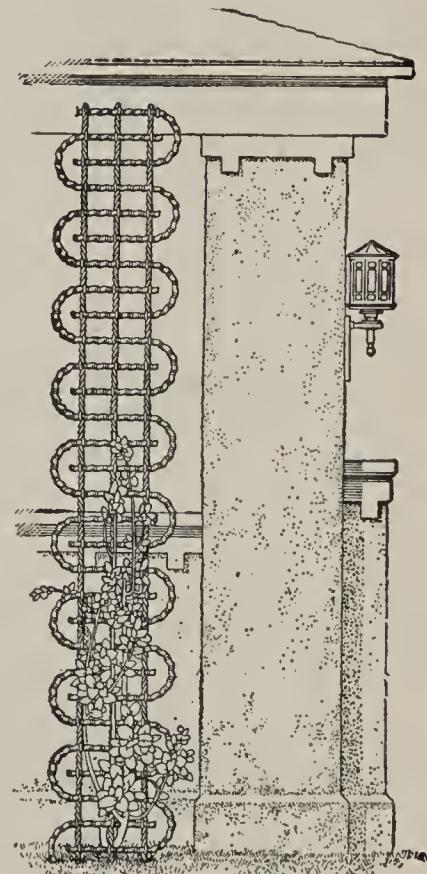
The most practical trellis for climbing vines and flowers, easily placed into position. Cut to any length. Can be used for years, making an extra low priced trellis that adds to the beauty of porch and home.

18 inches in width, 10c per ft.; by mail, 13c per ft.

Steel Fence Posts

Line posts, end posts, corner posts.

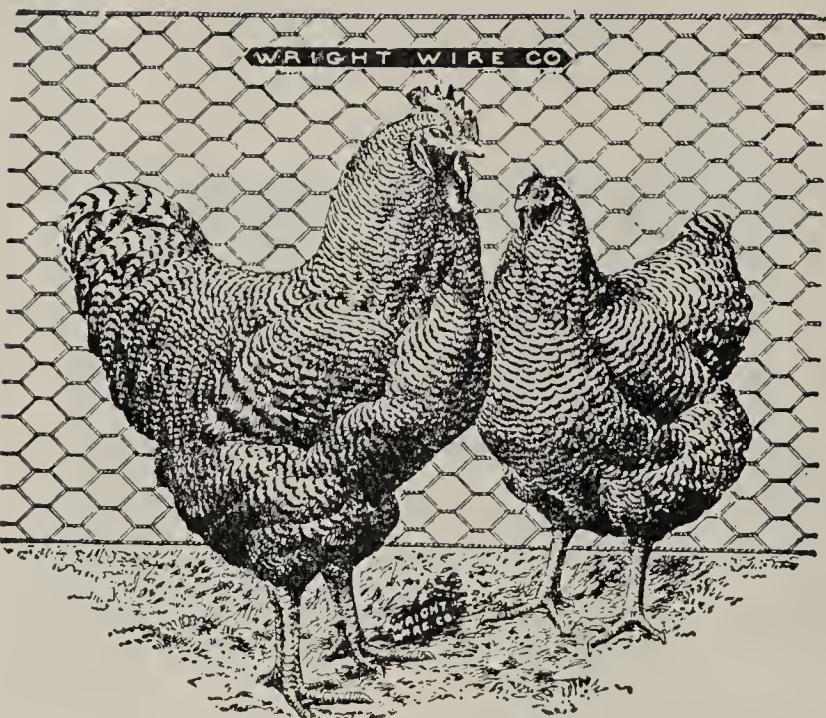
These posts are easier to set, neater looking, and cannot be destroyed by grass or bush fires.



Page-Lions Fences

Made by the oldest and best known fence company in the world. A full line Lion fence. All heights. Fences for every purpose, to suit every condition. Large, heavily galvanized wires, made from open hearth steel. Straight, continuous cross wires. No wraps or welds. The best fence for the money. Best for horses, cattle, sheep, hogs, and poultry.

Garden, Poultry & Animal Fences



Galvanized Hex Mesh Poultry Netting

Made from No. 20 selected steel wire, galvanized after weaving. Made in 2-in. and 1-in. mesh, and of a superior, smooth finish. This netting is put up in rolls containing 150 running feet, and in the following heights: 1 ft., 1½ ft., 2 ft., 3 ft., 4 ft., 5 ft., and 6 ft.

Netting for Special Uses

In Heavier Grades

¾ in., 1 in., 1½ in., 2 in.

Used for dog pens, range shelters, tennis courts, fox pens, baseball backstop, and similar purposes. Shipment made from factory.

W. S. Straight Poultry Fence

This type of fencing is used for exactly the same purposes as Hex Mesh Poultry Netting. As it is made with one set of wires running parallel, it can be easily stretched between posts and can be used without rails or boards at top and bottom and does not sag. The horizontal wires are woven with a slight curve to allow for stretching in the process of erection and also to meet the contraction caused by weather. Galvanized after weaving.

Standard widths, 12 in. to 72 in., inclusive, and standard length rolls of 150 linear feet each, in two sizes only, in 2-in. mesh and 1-in. mesh. The 2-in. mesh is made from No. 18 horizontal wires, and No. 20 cross wires; the 1 in. mesh from No. 19 horizontal wires and No. 21 cross wires.

Pittsburgh Chictite Hinge-Joint Fence

The closely spaced lower line wires confine little chickens and bar destructive animals. Each of these fences will give effective protection without using top and bottom boards when erected properly on good posts. Super-Zinced (Special Hot Zinc Coated) rust protection insures long service from every rod of Pittsburgh Chickite Fence.

Specifications

No. 18 Gauge, top and bottom wires No. 15* gauge

Style No.	No. of Bars	Height in Inches	Stays	Weight Per Rod
2672E	26	72	6	4.2
2360E	23	60	6	3.7
2048E	20	48	6	3.2
1736E	17	36	6	2.6

Put up in 10 and 20 rod rolls.

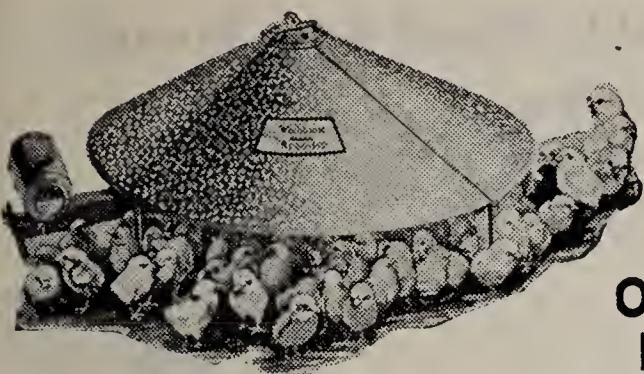
Paint For Farm, City and Suburban Homes
 Headquarters for Patterson-Sargent Co.'s Paint

NOTHING BUT THE BEST MATERIAL USED.

Here's your opportunity to paint your building at a nominal cost, besides glorifying your home and farm surroundings.

Paint is a preservative and will add untold years of life to your property.
 Carried in a full line of colors.

Kendall & Whitney Poultry Supplies

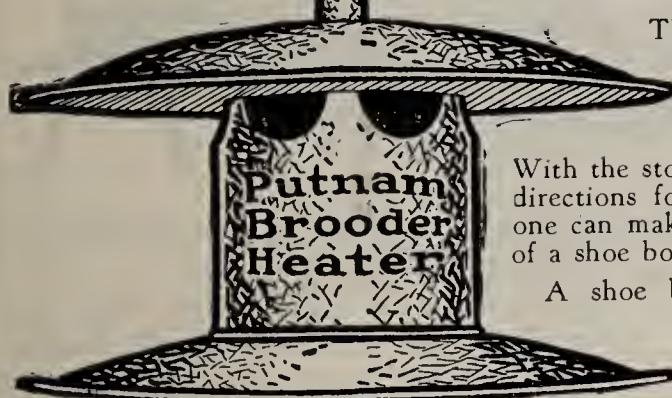


Wishbone Brooders Valveless, Oil-Burning, Blue-Flame

The Wishbone Valveless Brooder is as simple to operate as a good cook stove, consists of only four main parts, the tank, the burner, the oil pipe and the hover. To light the brooder, you turn the adjustable handle and touch a match to the burner. A hot, blue flame shoots right up. No priming. No pre-heating.

- | | |
|--|---------|
| No. 22—50-100 chicks (with 22-in. canopy)..... | \$10.00 |
| No. 32—350 chicks (with 32-in. canopy)..... | 12.00 |
| No. 42—500 chicks (with 42-in. canopy)..... | 14.00 |
| No. 52—1000 chicks (with 52-in. canopy)..... | 16.00 |

The Putnam Brooder



This little article makes the best little brooder in the world. Stove costs \$4.75.

With the stove we will furnish directions for building. Any one can make the brooder out of a shoe box in a little while.

A shoe box, a few nails, this stove and an hour's time gives you a brooder which

will serve you as well as any other on the market. Weight, 6 lbs.

Little Putnam Stove

This stove may be used with any style poultry fountain to warm water in cold weather. Made of galvanized iron, is nine inches in diameter and four inches high. The oil tank holds oil enough to burn three weeks. Price, \$2.00.



The Trumbull Automatic Water Warmer

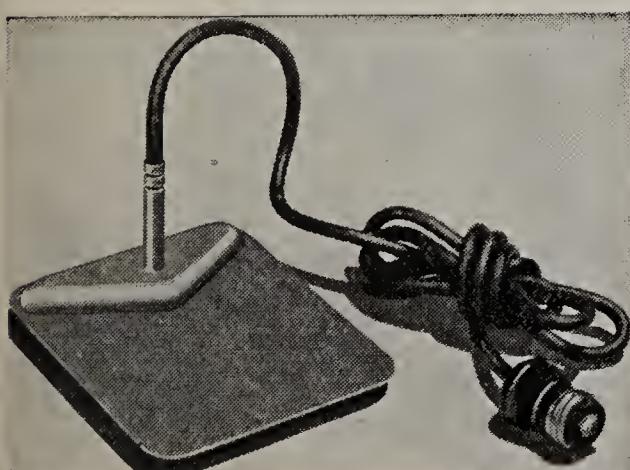
For Use in Open
Pans and in
Fountains on
110-Volt A.C.

Constructed to be thoroughly waterproof. Simply drop it into the drinking pan or bucket and plug it into the socket of a live

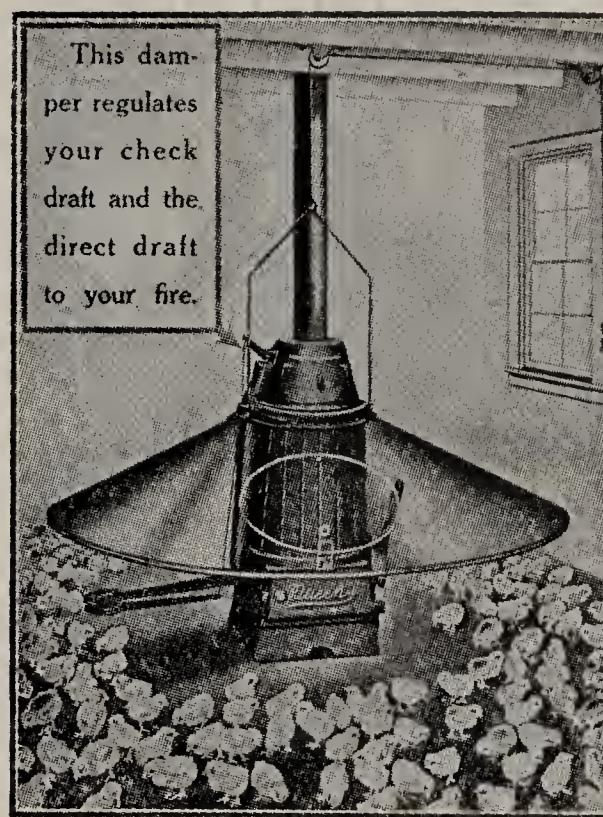
wire. Day and night, throughout the cold weather season, it holds water to a temperature of approximately 50 degrees. It operates most efficiently in about 10 quarts of water but may be used successfully in vessels containing up to 20 quarts of water. Price, \$3.00.

Cel-O-Glass

Cel-O-Glass is made in rolls, one yard wide and can be cut to any required size and installed with staples and a hammer. Construction on frames is advised for all installations. Price, postpaid, 15c per sq. ft. By express, 25, 50, 100-ft. rolls, 13½c per sq. ft.



We Carry a Full line of Poultry Feeds



Queen Brooders

The Queen Colony Brooder is a new improved design of brooder stove. The check and draft lids are cast together and operated together. When the fire is too hot, the wafer expands and closes the draft and opens the check, both at the same time. When too cool, the wafer contracts and closes the check and opens the draft. This keeps an even heat both night and day, in cold or warm weather.

Superior Queen Grate. The grate is the rocker type and strikes the fire at four points. Far superior to any draw center or shaker grate because it cleans the fire thoroughly, and by striking at four points will break up and remove all clinkers.

Collapsible Hover. The hover used on Queen stoves is collapsible and made of four pieces of galvanized iron. This hover comes knocked down, with holes punched and stove bolts attached, ready for putting together.

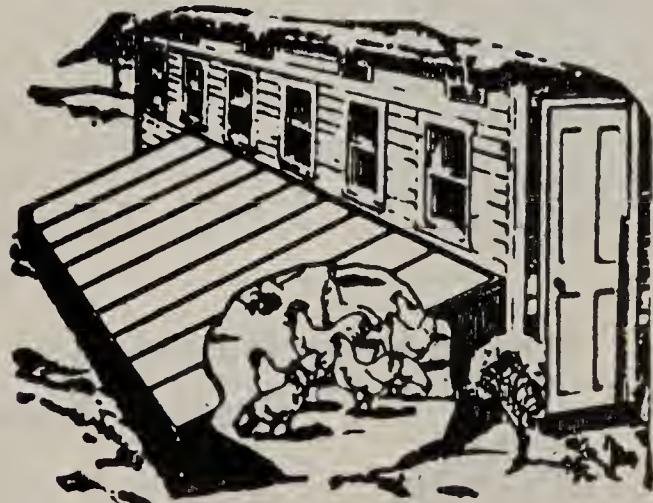
No.	Chick Capacity	Size Hover, Inches	Height, Inches	Diam. Grate, Inches	Shipping Weight, Pounds	Price
1	800	52	23	9	77	\$14.75
2	1200	56	26	10½	104	18.00
4M	1600	60	37	13½	165	22.50

Add for 10-ft. galvanized pipe, pipe cap and damper No. 1 \$1.95, No. 2 and No. 4M \$2.75.

Brooder Equipment

Galvanized pipe for chimney in 10 ft. lengths, 3-inch, 4-inch, 5-inch. Galvanized elbows, 3-inch, 4-inch, 5-inch. Chimney caps, 3-inch, 4-inch, 5-inch. Galvanized Roof Saddles, 4-inch, 5-inch. Wafer Thermometers, 3-inch, 4-inch.

VIO-RAY Window Fabric



Much cheaper than Glass

Vio-Ray is a strong fabric treated by a patented process to make it transparent, weather-proof, and water-proof. It comes in rolls 36 inches wide and any length.

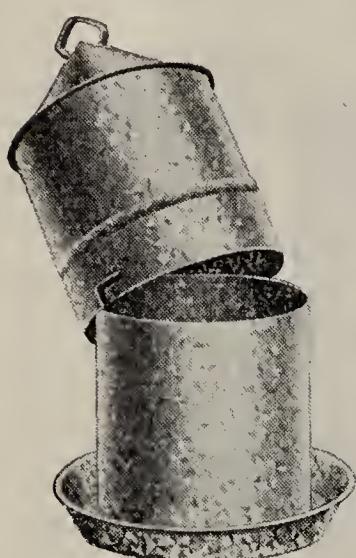
Let Violet Rays Through

Vio-Ray readily transmits the life-giving vitalizing ultra-violet rays of the sun. (Glass stops them). These are the health rays of sunlight and are absolutely needed by poultry in winter months. Put up in 100-yard, 50-yard, and 25-yard rolls.

PRICES:

Full rolls	20c per yd.
Less than full roll	24c per yd.

Modern Poultry Supplies



Perch Proof Chick Fountain



This is the latest in Chick Waterers. Double wall—interlocking device—easy to carry, clean or fill. Watering space 30 inches.

No. 301½—Fountain without Stand, 6 qt. \$0.80
No. 301½S—Fountain with Stand, 6 qt.90
No. 302—Fountain without Stand, 2 gal. 1.00



Capacity Top Filled Fountain

PERCH PROOF

This is the most popular type of poultry waterer made. It has perch-proof top and heavy galvanized bottom. It is easy to clean, fill, and carry. Controlled by positive automatic spring valve.

No. 303—3-Gallon Fountain with Heater complete \$2.00
No. 305—5-Gallon Fountain only 2.50
No. 303H—3-Gallon Fountain with Heater complete 4.00
No. 305H—5-Gallon Fountain with Heater complete 4.50
No. 303HS—3-Gallon Fountain with Heater and Perch Stand 5.50
No. 305HS—5-Gallon Fountain with Heater and Perch Stand 6.00
No. 310—10-Gallon Fountain 3.90
No. 310H—10-Gallon Fountain with Heater complete 6.15
No. 310HS—10-Gallon Fountain with Heater and Perch Stand 7.65

Hinge Wire Guarded Broiler Feeder

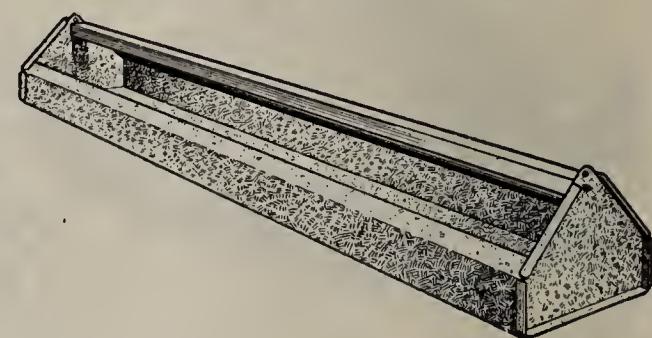


A sturdy feed trough. Wire guard prevents waste and contamination of feed. The No. 141 is equipped with double guard adjustable for baby chicks. These troughs are provided with adjustable ends by which feeders may be raised out of litter 2 to 4 inches. Packed 6 to carton.

No. 109E—30-inch, single guard, with adjustable ends.....\$..85
No. 140—40-inch, single guard, with adjustable ends..... 1.00
No. 141E—40-inch, double adjustable guard, with adjustable ends 1.25

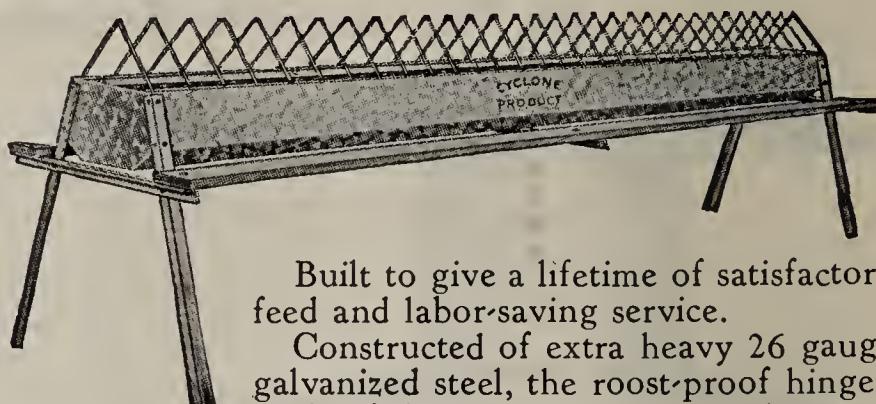
Adjustable Wood Reel Trough

For baby and growing chicks. Turned lip with smooth edges. Large capacity. Packed 12 to carton.



No. 25—24-inch length \$.30
No. 236—36-inch length40
No. 236R—36-inch length, metal reel60

"Cyclone" Long Fellow Laying Pen Feeder

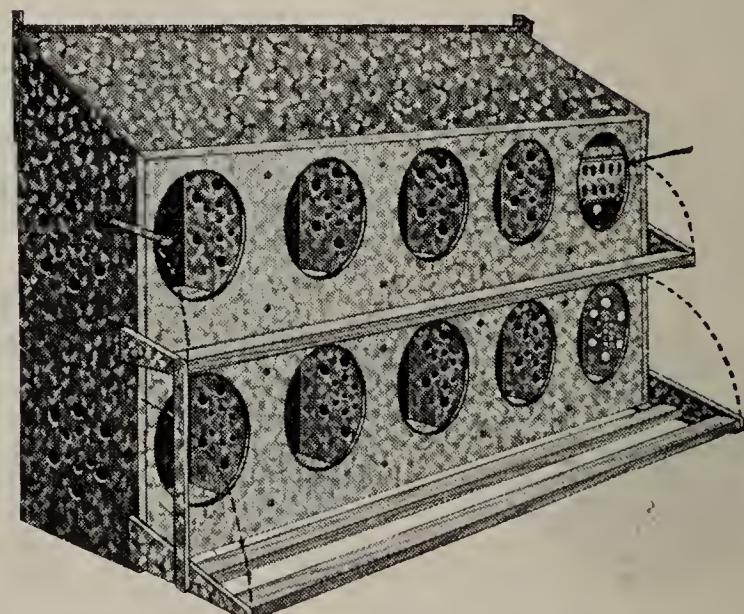


Built to give a lifetime of satisfactory feed and labor-saving service.

Constructed of extra heavy 26 gauge galvanized steel, the roost-proof hinged grid of heavy 3/16 inch galvanized wire. The legs of sturdy 1/8 angle iron, supports the feeder 18 inches above the ground.

No. 408—Length 8 ft., capacity 2 1/2 bu., 100 lbs. Feeding space, approximately 16 ft., weight 40 lbs., price each, \$5.95
No. 405—Length 5 ft., capacity 1 1/2 bu., 60 lbs. Feeding space, approximately 10 ft., weight 29 lbs., price each, \$3.90
No. 404—Length 4 ft., capacity 1 1/4 bu. Feeding space approximately 8 ft., weight 18 lbs., price each, \$3.15

Self Cleaning Nests



WITH or WITHOUT TRAP FRONT

CYCLONE Sanitary Nests may be purchased in 5-, 10- or 15-nest sections with or without trap fronts.

Openings are folded to assure smooth edges and prevent injury to hens. Nests are deep enough to prevent loss of litter.

No. 105—5 Nests, without trap front \$ 4.25
No. 110—10 Nests, without trap front 7.65
No. 115—15 Nests, without trap front 11.50
No. 116—Traps only, 5 in a carton30

Poultry Supplies

Banner Root Cutters



No. 7. Exclusively for Poultry. Cuts the feed in fine, brittle, ribbon-like strips. An iron grate in bottom of hopper lets dirt and gravel escape before reaching knives. A low-priced, high-grade, mechanically constructed machine to feed roots and vegetables to the flock. Two to five minutes will cut enough feed for a large flock of birds. Write for quotations.

No. 20. For Hand Use. Capacity, 30 to 50 bushels per hour. Weight, 120 lbs.

The Philadelphia Caponizing Set



Price, per set, \$3.00. By mail, \$3.05.

Wilder Moisture Gauge for Incubators

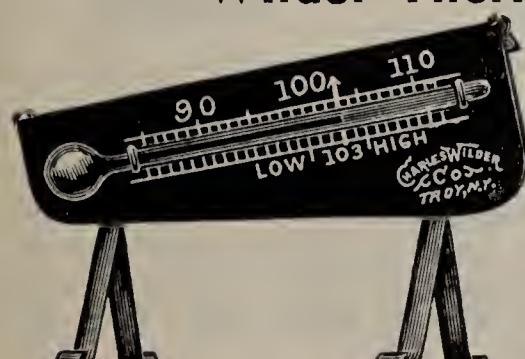


Designed to meet the demand of the practical poultryman. A simple, direct reading gauge which keeps the amount of moisture in the incubator as near as possible the desired point. Price, \$1.25; by mail, \$1.30.

Avenarius Carbolineum

Point 1—Prevents moisture, filth and dirt from working down into wood or concrete floors and makes cleaning floors easier. Point 2—Disinfects deep cracks and crevices where vermin and disease germs propagate. Point 3—Prevents gnawing of wood by rats or mice. Point 4—Kills and stops the propagation of chicken mites or foul ticks in poultry houses for a whole year or purchase money refunded. Price: 1 gal., \$1.75; 5 gals., \$7.25; 10 gals., \$13.00; 35 gals., \$38.50; 55 gals., \$57.75.

Wilder Thermometer

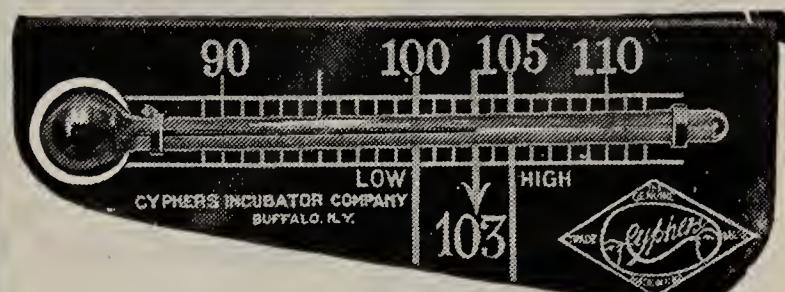


Easy to see, and may be quickly placed in any part of egg tray. Accurate to the smallest degree. Price, 75c. By mail, 80c.



High Grade Tested Thermometers

When ordering brooder thermometers, name the style of brooder in which it is intended to be used.



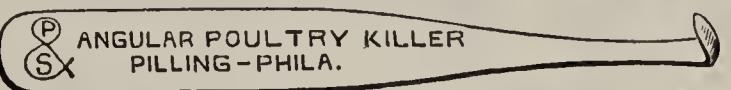
CYPHERS INCUBATOR THERMOMETER. Price, 75c; by mail 80c.

BROODER THERMOMETER. Price, 50c; by mail, 53c.

Poultry Killing Knives



FRENCH POULTRY KILLING KNIFE



ANGULAR POULTRY KILLING KNIFE

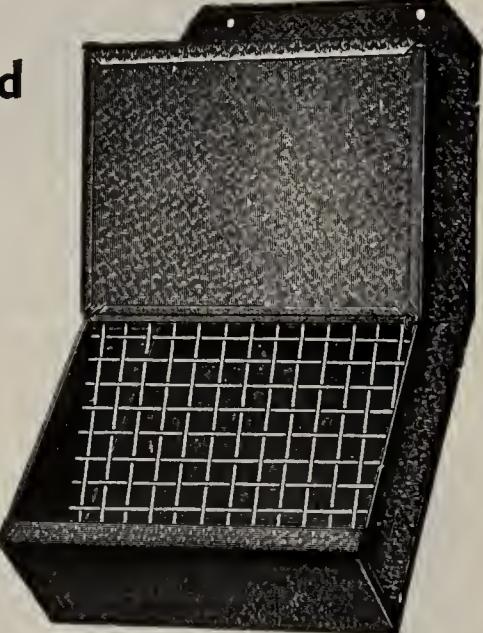
Angle blade, 60c; French straight blade, 60c. By mail, 65c.



Russell. No. 323. 50c each. By mail, 55c.

Sexton Dry Feed Hopper

Arranged to hang on wall, permanently, and can be refilled easily. No waste, as pan at the bottom takes any feed that may be picked out, and the last crumb can be used; therefore saving any waste. Simple in construction, easily operated, and absolutely "rat" and "mouse" proof. Made in three sizes. Price:

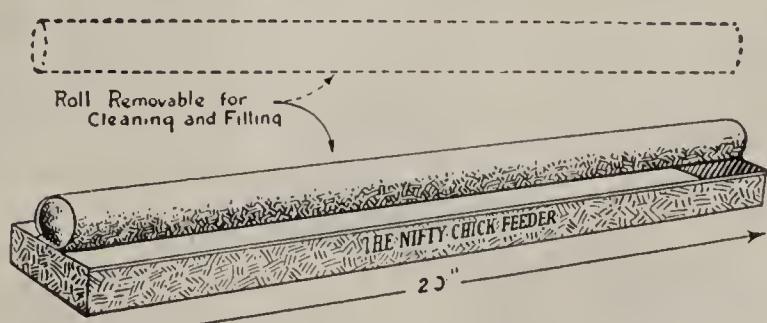


No. 5—24 quarts capacity, \$2.65; by mail, \$2.90

No. 1—12 quarts capacity, 1.50; by mail, 1.65

No. 2—3 quarts capacity, 1.10; by mail, 1.22

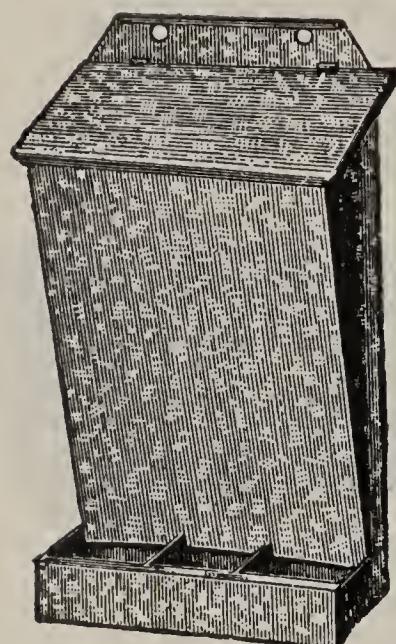
Nifty Feeder



Roll keeps chicks out of feeder.

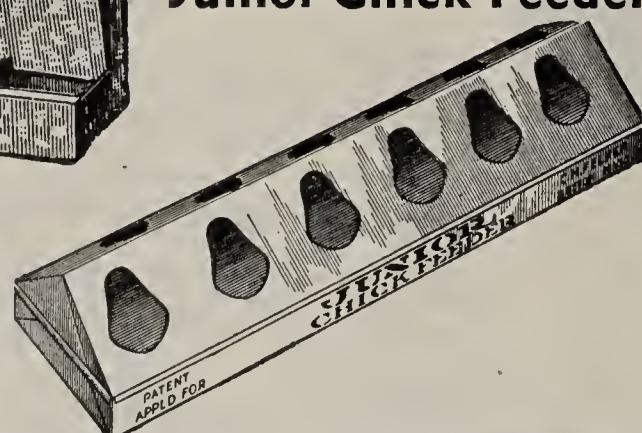
PRICE: 20-inch, 25c; by mail, 33c

Poultry Supplies



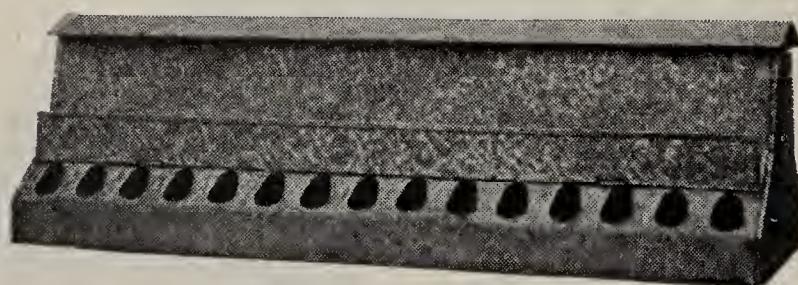
Grit and Shell Box

Made of the best grade of galvanized iron, in two sizes. Has three compartments, for grit, oyster shell, and charcoal. Cover lid on a slant prevents fowls roosting on the box and keeps contents clean. Price, small \$1.00. by mail, \$1.12. Large, \$1.15; by mail, \$1.30.

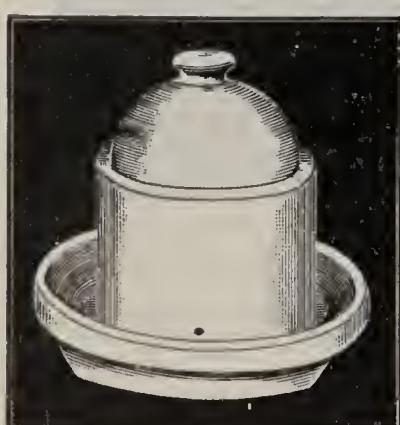


Can be used either for dry feed or for water. Easily cleaned and so made that the chicks cannot soil the feed. Price, 10 in., 25c; by mail 30c. 20 in., 40c; by mail, 48c.

Senior Chick Feeder for Large Pens of Chicks



This feeder is 30 inches long, feeds on both sides, and has a capacity of 25 pounds of mash. A special attachment permits closing the feed space at night as a protection against mice and rats. Price, \$2.50. By mail, \$2.75.



Stone Fountain

Price, $\frac{1}{4}$ gal., 40c; by mail, 55c. $\frac{1}{2}$ gal., 45c; by mail, 70c. 1 gal., 55c; by mail, 80c. 2 gal., 90c; by mail, \$1.25.

Hanging Dry Mash Feeder

Hanging or set up off the floor at proper height. Special grid features prevent waste and insure against clogging. Equipped with fixtures for hanging. Feeding area about 5 feet in circumference. Made in two sizes with non-roosting covers. No. 332, 13 in. high, \$3.00 each. No. 334, 18 in. high, \$4.00 each.

Open Top Fountain

Made in two sections. The upper section, which has a bail, serves as a pail to use in filling the lower section, making it a self-feeding fountain. Prices, 3 gal., \$1.75; 5 gal., \$2.25. By mail, add 25c.



Cone Chick Fountain

A satisfactory fountain, easy to clean, has a large space for drinking. Made in three sizes. Prices: 1 qt., 30c; by mail, 38c. 2 qt., 40c; by mail, 48c. 3 gal., \$1.25; by mail, \$1.40.



Ideal Sanitary Poultry Drinking Fountain

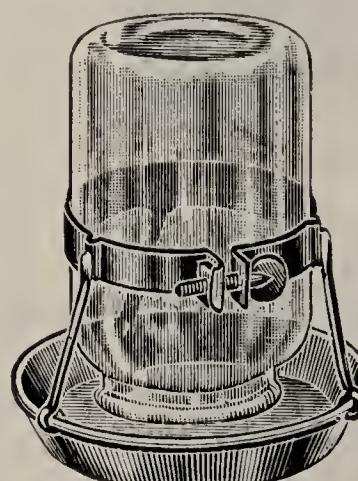
Keeps water the right temperature all the year. No lamps to trim and valves to get out of order. Saves time, labor and worry.

The fountain is made of galvanized iron, and is similar in construction to the fireless cooker, being packed with non-conducting material to retain the temperatures of the water.

Size	Height	Diameter	Weight	Price	By Mail
2 gallon	15 $\frac{1}{2}$ inches	13 inches	15 pounds	\$3.00	\$3.25
3 gallon	17 inches	14 inches	20 pounds	3.50	3.80
5 gallon	20 inches	16 inches	25 pounds	4.50	4.85

Leader Fountain

Made in two sections so as to be easily cleaned. Price, 1 $\frac{1}{2}$ gal size, 85c; by mail, 95c. 3 gal. size, \$1.50; by mail, \$1.65.



Felker's Handy Attachment

For Any Make Fruit Jar

A perfect feeder for sour milk, water, hard grain, or grit. The container of aluminum, is rust-proof and non-corroding. Price, 25c, by mail, 30c.



Wall Fountain

A galvanized iron hood keeps dirt from dropping into the water, yet allows fowls to drink readily. They are convenient to handle and are so made that they can be hung on the wall above the floor. Price, 1 gal., 90c; by mail, \$1.00; 2 gal., \$1.25.



The Peerless Fountain

Protected from dirt and filth. The fowl cannot injure their combs while drinking. Easy to clean and fill. Made of heavy galvanized iron. Durable and practical. Price, chick size, 35c; by mail, 40c.

Poultry Supplies

Pratt's Poultry Remedies



POULTRY REGULATOR. Tones up systems, regulates bowels, aids digestion, sharpens appetite, wards off disease and increases vitality. Use it the year around for breeders, layers, and growing stock. 4-lb. pkg., 50c; 12-lb. pkg., \$1.50; 25-lb. pail, \$2.75; 100-lb. drum, \$9.50.

POWDERED LICE KILLER. Is powerful, economical, non-poisonous, and non-irritating. For use on poultry, in dustbaths, nests, on dogs, cats, horses, cattle, hogs, and sheep. In sifter top cans at 25c and 50c. 30c and 60c, postpaid.

CHICK TABLETS. Makes the drinking water safe, tones up the chicks and effectively treats most diarrhoea troubles. Price: 25c and 50c. Postpaid, 30c and 55c.

R-P TABLETS (Formerly Pratts Roup Tablets). For adult fowls. Price: 25c and 50c. Postpaid, 30c and 55c.

DISINFECTANT. Cheap, powerful, non-poisonous disinfectant. Quart, weight 3 lbs., 50c; half gallon, weight 6 lbs., 85c; gallon, weight 11 lbs., \$1.45.

PRATT'S SPLIT ACTION N-K TABLETS. For eradication of tape and round worms in poultry. Adults size, 50 tablets, 85c; 100 tablets, \$1.50; 500 tablets, \$5.50. Chick size, 50 tablets, 55c; 100 tablets, \$1.00.

POULTRY WORM REMEDY. For round worms, gizzard and caecal worms and flukes or leaf worms. Price: Pkg., 60c.

Pratt's Animal Regulator

This is the original and pioneer stock regulator of America. Tested thoroughly for nearly half a century, its worth is known and recognized by stock owners the world over. Always sold on a guarantee that it will satisfy you or your money back. 25c, 50c and \$1.00 pkgs.; 25-lb. pails, \$2.75.



Delouse entire flock. When chickens perch upon roosts that have been painted with Black Leaf 40, fumes are slowly released and penetrate the feathers, killing the body lice; no interference with egg production nor any discomfort to the birds.

PRICES

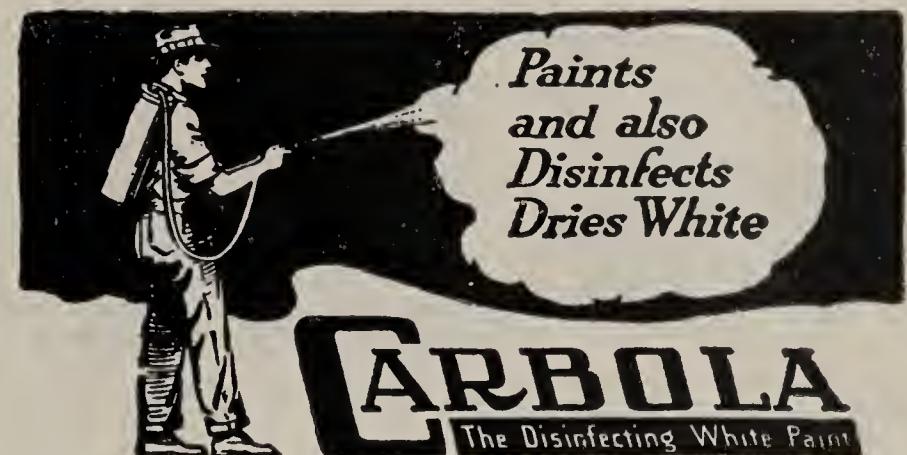
10-lb. tin (treats 1900 to 2400 running feet of roost)	\$9.85
5-lb. tin (treats 950 to 1200 running feet of roost)	5.85
2-lb. tin (treats 385 to 480 running feet of roost)	3.25
1-lb. tin (treats 180 to 240 running feet of roost)	2.25
5-ounce bottle (treats 60 to 75 running feet of roost)	1.00
1-ounce bottle (treats 12 to 15 running feet of roost) .....	.35

Graylawn Farm Louse-Chase

Kills the lice on your cattle, swine, poultry, horses and sheep. Satisfaction guaranteed or money back. Used and recommended by state colleges and thousands of breeders. Price: \$1.00 large pkg., 65c medium pkg., and 35c small pkg.

Toxite Disease Control Spray

Controls Poultry Coccidiosis, Round Worms, and Red Mites in the litter. Toxite contains no water, and does not evaporate. Prices: 1 gal., \$1.50; 30-gal. drum, \$1.30 per gal.; 55-gal. drum, \$1.20 per gal.



Paints
and also
Disinfects
Dries White

CARBOLA

The Disinfecting White Paint

Carbola is a white paint and powerful disinfectant combined in powder form. Easily and quickly applied to building interiors with brush or spray pump. Disinfects and dries pure white. One pound covers 100 sq. ft.

5 pounds (5 gals.)	\$0.60
10 pounds (10 gals.) .....	.98
25 pounds (25 gals.)	1.90
50 pounds (50 gals.)	3.50
200-lb. bag	12.75



Farm Disinfectant Dairy Sterilizer

A powerful, clean, non-poisonous germ killer. B.K. cannot be sent by parcel post.

1-qt. bottle	\$0.90
1-gal. jug	2.00
5-gal. jug	8.50
1 3/4-lb. bottle B.K. Powder, \$1.50; postpaid.....	1.60

Lee's Lice Killer

A liquid preparation having all the killing properties of any powder or dip. Price: 1 qt., 60c; 1/2 gal., 90c; 1 gal., \$1.60.

Pratt's Red Mite Special

Pratt's Red Mite Special is a powerful preparation put up specially to rid flocks of red mites, ticks, blue bugs, fleas and like blood sucking vermin. It should be sprayed or painted on the roosts, dropping boards, nest boxes, and in all cracks. One application is effective for months. 60c a quart; \$1.00 a 1/2 gallon; \$1.60 a gallon.

Lee's Germozone

The Life Saver for Chicks

A remedy for nasal, crop and bowel disorders. It acts quickly against the germs and poisons, and helps to heal the affected membrane lining. Valuable in case of sour crop, simple diarrhoeas, limber neck, ptomaine poisoning, musty food, colds, canker, swelled head, and as an aid in repairing the damage done by worms and coccidiosis. Price: 12-oz. bottle, 75c; qt., \$1.50; 1/2 gal., \$2.50; gal., \$4.50.

Vapo-Spray

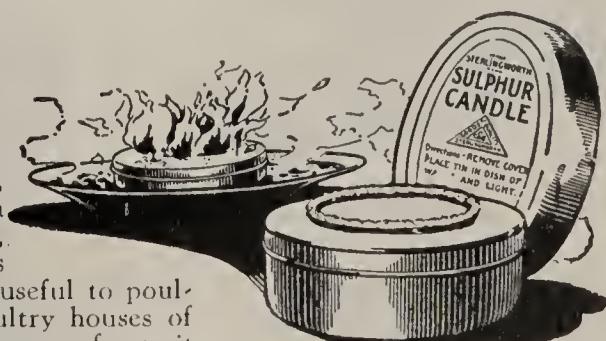
For colds and respiratory troubles which occur very frequently among poultry during the late fall and winter months. Spray it in the air of the poultry house at night, using a common hand spray pump. The chickens breathe the vapors given off. Price: 1 qt., 75c; 2 qts., \$1.25; 1 gal., \$2.00; 5 gals., \$8.75.

Flu-Koff Emulsion

A cough syrup which helps to allay cough, reduce temperature and overcome irritation and inflammation. Especially recommended for use with Vapo-Spray in very severe cases of Bronchitis. It is given in wet mash or soaked oats. 12 ozs., \$1.00; 32 ozs., \$2.00; 1/2 gal., \$3.50; 1 gal., \$6.50.

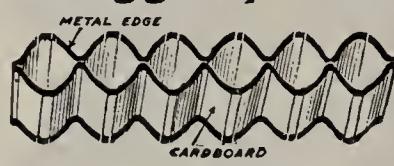
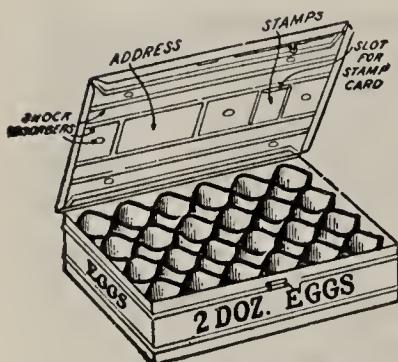
Sulphur Fumigating Candle

Made from pure, high grade sulphur, a circular wick, which, when lighted stays lighted. Is especially useful to poultrymen in ridding poultry houses of insect pests, as the vapor from it penetrates crevices not reached by other means. In circular tin box. Price, 15c.



Poultry Supplies

Sell Eggs by Mail



Metal-Edge Filler

To Your City Friends Shipped in
Aluminized Metal Egg Crates

The Metal-Edge Filler is a wonder.

A new invention and cannot be beaten for service and safe carrying of eggs. Light in weight and very strong. Thousands of these economy crates in daily use.

Sizes	Weights	Postage		
	Empty	Empty	Filled	Price
1 doz.	3 lbs.	11c	14c	\$1.00
2 doz.	3 lbs.	11c	14c	1.25
3 doz.	4 lbs.	12c	16c	1.50
4 doz.	5 lbs.	13c	19c	1.75
6 doz.	6 lbs.	14c	23c	2.00
9 doz.	8 lbs.	16c	30c	2.50
12 doz.	10 lbs.	18c	35c	3.00

Add postage to destination. Rates above apply within 150 miles.
Write us about crate to ship butter and eggs.

Egg Pak—Ship Eggs Safely

Every egg held safely in patented "Surety Cushion" fillers. Stand on Eggpak, kick it around and you won't find even a broken shell. Saves several cents postage on every mailing and does away with breakage claims. Endorsed by Agricultural Colleges.

Sizes to Hold	Weight with Fillers	Price Each
2 dozen eggs	2 1/2 lbs.	\$1.80
4 dozen eggs	3 1/2 lbs.	2.35
6 dozen eggs	4 lbs.	2.60
8 dozen eggs	5 lbs.	2.95
10 dozen eggs	5 1/2 lbs.	3.30
12 dozen eggs	6 1/2 lbs.	3.65
15 dozen eggs	8 lbs.	3.95

Leg Bands for Poultry and Pigeons

Double Clinch Leg Bands, made of aluminum, with large raised numbers. Packed in boxes of 100, numbering from 1 to 100. Price, 85c per hundred. Special price for 1000.



Colored Spiral Celluloid Bands

Red, white, blue, amber, green, black, pink, ruby. Price, 75c per hundred, postpaid.



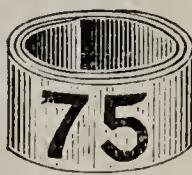
Leader Leg Bands

These are flat, colored aluminum bands with the figures in black on the colored ground, and are adjustable to any size fowl. Price, \$1.50 per hundred, postpaid.

Bandettes

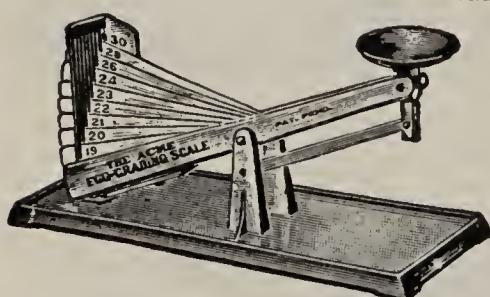
The world's best leg band, most practical, simple, neat. Made in five colors, blue, red, yellow, green, and pink.

Bandettes are sold only in unbroken sets of 25 in one color; 1-25, 26-50, 51-75, 76-100, and so on. Price, 20c per doz., \$1.50 per 100.



Acme Egg-Grading Scale

These scales will accurately grade all eggs ranging from 16 ozs. per dozen to 32 ozs. per dozen. Price, \$2.35; by mail \$2.45.



Perfect Chicken Punch

Chicks may be marked as soon as hatched without injury. Price, 20c; by mail, 22c.



The Surecut Poultry Killer

One movement cuts the blood vessels, and penetrates the brain which paralyses the feather muscles and permits dry picking. Sure, easy, sanitary, quick and humane. Price, postpaid, \$3.75.



Water Glass

Saves Money and Helps Keep Down the High Cost of Living

Put your eggs down in the spring, when they are cheap, and keep them fresh for winter use. One gallon makes sufficient solution for 50 dozen. Do not trust eggs to water glass of inferior strength. 1 pt., 15c; by mail, 23c. 1 qt., 25c; by mail, 36c. 1 gal., 75c; by mail, \$1.00.

Aids digestion, prevents coccidiosis, and increases the yield of eggs while reducing the cost in feed of producing the eggs.

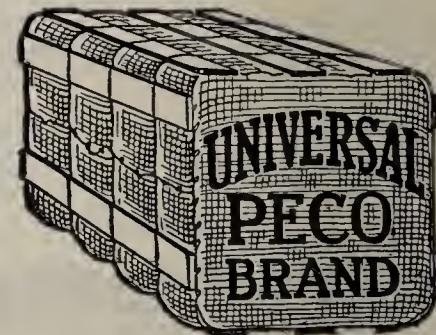
Because of its quality it is the favorite with dairymen who breed and raise good calves.

Write for prices and circular giving direction for feeding. Put up in 100-lb. bags.

Peat Moss for Poultry and Gardens

Moisture and Dampness in Poultry Houses Are Extremely Dangerous

A poultry house, no matter how clean, disinfected and sanitary, is dangerous if damp. Moisture and damp houses are enemies of the poultryman. A dirty dry house is safer than a clean damp house. A clean dry poultry house is ideal. Poco Peat Moss is a powerful absorbent, as it readily takes up from ten to fifteen times its own weight in water. Excellent for breaking up clay soil and mulching the soil. Peat Moss is now being used by all leading horticulturists.



"K. & W." Egg Cases

The Most Popular Egg Case in the Market and Used Largely by Shippers of Eggs

These cases in the fifteen-dozen and thirty-dozen sizes are made deeper than the standard cases, so as to permit the use of the extra deep fillers with which they are fitted and the Mapes safety cushion flats. Four extra flats are included, which take the place of the excelsior cushions which are usually used.

PRICES COMPLETE

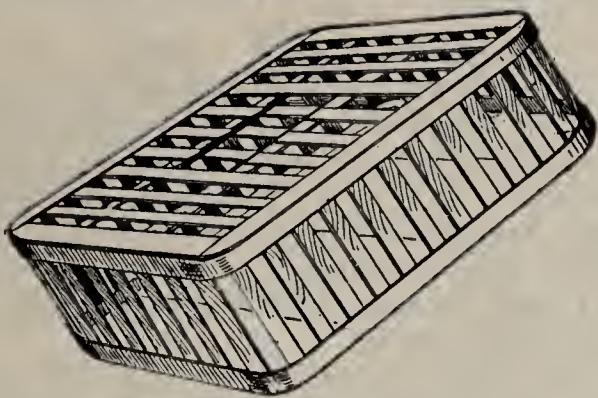
8 dozen	.....	\$1.10; by mail, \$1.25
15 dozen	.....	1.85; by mail, 2.05
30 dozen	.....	2.35; by mail, 2.61



Poultry Supplies

Newfield Poultry Shipping Crate

Price
\$2.00



Spindle Shipping Crate

Made of hard wood, fastened with iron rods at the corners, standard size.

Price, \$1.50.

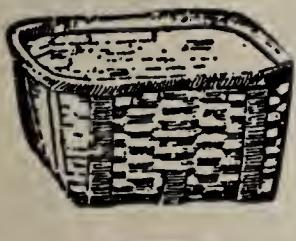
Of every size and style for factory, mill, store and farm.

Ash-Covered Lunch Baskets



One or Two Bail, Ash-Covered Lunch Baskets

No. 0. 25	x 15 1/2 x 12 3/4 deep	.....	\$2.50
No. 1. 28	x 13 x 11 deep	.....	2.35
No. 2. 21	x 12 x 9 deep	.....	1.75
No. 3. 18	x 11 x 8 1/2 deep	.....	1.50
No. 4. 15	x 10 x 8 deep	.....	1.25
No. 5. 14	x 9 x 7 1/2 deep	.....	1.05
No. 6. 12	x 8 x 6 1/2 deep	.....	.95
No. 7. 10 1/2 x 7 1/2 x 6	deep	.....	.85



Hole Handled Market Baskets



Bail Handled Market Baskets

Solid Oak Market Baskets, with bail, Hole, or Block Handle Strapped.

No. 0. 25 x 16 x 7 1/2 deep	.....	\$1.50
No. 1. 23 x 13 x 6 1/2 deep	.....	1.35
No. 2. 21 x 12 x 6 deep	.....	1.00
No. 3. 18 x 11 x 5 1/2 deep	.....	.80



Oak Splint Basket

Solid Oak, Nailed Rim

No. 1. 6 bu.	.....	\$10.00
No. 1. 5 bu.	.....	7.50
No. 1. 4 bu.	.....	6.50
No. 1. 3 bu.	.....	5.00
No. 1. 2 bu.	.....	2.65
No. 1. 1 bu.	.....	1.65
No. 0. 1 bu.	.....	1.15

1/2 Bu. Basket; 1/4 Bu. Basket
Solid Oak, Nailed Rim

1/2 bu. stiff bail	.....	\$1.00
1/4 bu. stiff bail	.....	.85
1/2 bu. drop bail	.....	.95
1/4 bu. drop bail	.....	.75



The Holden Ash Stave Baskets

One of the smoothest, strongest and best baskets for farmers and grocers. Made in every size from 1/4 bushel to 4 bushels. Write for quotations.



Shipping Boxes

FOR DAY OLD CHICKS

Made of corrugated fibre-board. These boxes conform to International Baby Chick Association specifications in size, shape and interior arrangement. Each compartment carries twenty-five chicks without crowding. The 100 chick size has but four separate pieces—the box, the cover and two crossed partitions; the 50 chick size has a single partition, and the 25 chick size consists of box and cover only. The boxes are always shipped knocked down flat.

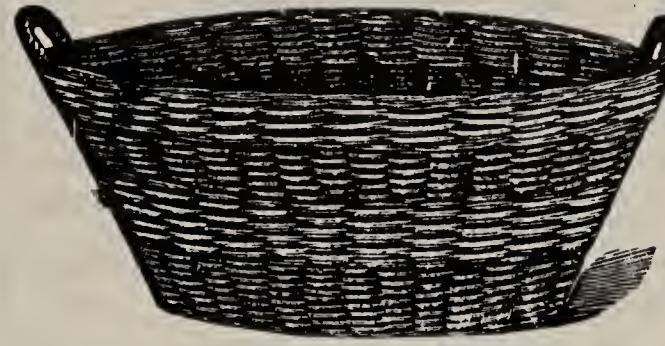
25 chick, 12c; 50 chick, 15c; 100 chick, 25c.

Egg Case Cushions

Made of excelsior, eleven inches square and about one-half inch thick, for use in either fifteen- or thirty-dozen egg cases, to prevent the eggs from being broken in shipment. Price, \$1.70 per hundred; by mail, \$2.03.

Baskets and Flower Pots

Corn packers' baskets a specialty. Write for quotations.



Oval Willow Clothes Baskets

Small	18x27x10 1/2 deep	.....	\$0.85
Medium	19x28x11 deep	.....	1.00
Large	21x30x12 deep	.....	1.25

OBLONG ASH CLOTHES BASKETS

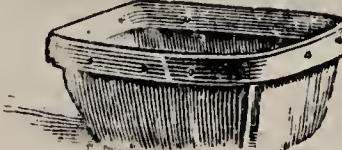
Small	26x18x10 deep	.....	\$1.75
Medium	30x20x10 deep	.....	2.25
Large	33x22x10 deep	.....	2.60

Pansy Baskets

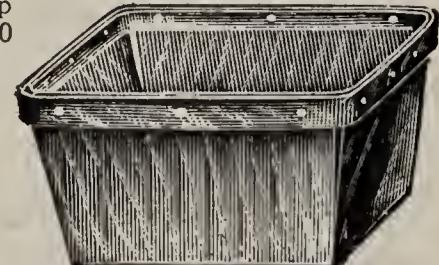
With wood or wire handle. 10 inches long, 5 in. wide; 3 in. deep. Wood handle; 12 in. long, 7 in. wide, 4 in. deep. Special prices for large quantities.

Berry Baskets

Our berry baskets are made of the best quality clear wood and put up in a good strong carton. Packed 500 in a crate. Write for prices.



Oblong Pint



Quart

Standard Flower Pots

Inches	Pots Per dozen	Saucers Per dozen
2	\$0.18	
2 1/2	.25	
3	.35	.35
3 1/2	.40	
4	.50	.38
5	.85	.50
6	1.25	.70
7	2.10	.95
8	3.00	1.35
9	4.75	1.90
10	5.85	2.75
11	9.25	3.20
12	12.50	4.00
14	21.00	6.00

Measurement from inside to inside. Width and depth equal.



Baskets and Flower Pots

Round Seed and Bulb Pans

Inches	Each	Per doz.	Inches	Each	Per doz.
6	\$0.11	\$1.25	9	\$0.45	\$ 4.75
7	.20	2.10	10	.55	5.85
8	.28	3.00	12	1.20	12.50

Perfecto Coppered Metal Flower Pots



Perfecto pots are made of light-weight coppered metal guaranteed for five years' service. The metal construction prevents evaporation through the walls which dries out the earth rapidly in a warm room. Come in Emerald Green and Chinese Red.

PRICES

5-in. Pot	20c	10-in. Pot	60c
6-in. Pot	25c	12-in. Pot	85c
8-in. Pot	40c	6-in. Bulb pan	25c

Kristee All Rubber Flower Pot Trays

Waterproof, moisture proof, protects tables from dampness and sweating. No more ring marks or scratches.

4 $\frac{3}{4}$ in., 15c.	6 $\frac{1}{4}$ in., 25c.	9 $\frac{1}{4}$ in., 50c.
By mail	18c.	31c.

Hotkaps Keep Plants Warm

Matures crop earlier; shields plants from wind and rain; protects them from frost and insects; keeps dirt soft—miniature "hothouses". A revolutionary device that saves farmers much time, labor, and money.

1,000 to carton, per 1,000	\$10.25
5,000 to carton, per 1,000	10.10
10,000 to carton, per 1,000	10.00
25,000 to carton, per 1,000	9.85
100 package, complete	2.50
250 package, complete	3.75
Steel Setter and Tamper	1.50
Garden Setter alone .....	.50
Steel Tamper alone .....	.25

Neponset Paper Flower Pots



Advantages over earthenware pots:

No. 1. They save all losses from breakage. No. 2. Weigh just one-tenth as much. (a) easier to handle, (b) reduce freight and express bills. No. 3. Much less expensive.

Pots are made from a tough, lasting and thoroughly waterproof paper.

Ideal for transplanting and shipping potted plants and for rooting or shipping strawberry, tomato and cabbage plants.

Size	Per doz.	Per 100	Per 1000	Size	Per doz.	Per 100	Per 1000
2 $\frac{1}{4}$	\$0.08	\$0.45	\$3.90	4	\$0.18	\$1.00	\$ 8.50
2 $\frac{1}{2}$	.10	.50	4.25	5	.25	1.35	11.20
3	.12	.65	5.25	6	.30	1.75	15.00
3 $\frac{1}{2}$	.15	.80	7.00				

Mulch Paper

A weather-resistant, heat absorbing, strong paper which is placed on the soil between plants.

It stimulates, promotes, hastens growth by the simple expedient of raising the soil-temperature and preventing evaporation of the soil-moisture. Vegetables of all kinds, fruits and flowers growing with Mulch Paper not only mature earlier but experience proves they are bigger, better, have more flavor, and are in general of higher quality. Actual tests show increases in yield from the same soil of 25 to 200 per cent.

It saves labor, too. Weeds cannot come up in soil that is covered by it. They're blanketed.

Comes in two types, each in 18-in. and 36-in. rolls.

Type A. Light weight, for annuals:	Per Roll
18 in. wide, 900 ft. long, 1,350 sq. ft.	\$2.50
36 in. wide, 900 ft. long, 2,700 sq. ft.	5.00

Type B. Heavy weight, for perennials and	all garden work:
18 in. wide, 450 ft. long, 675 sq. ft.	2.50
36 in. wide, 450 ft. long, 1,350 sq. ft.	5.00
18 in. wide, 45 ft. long, 67 $\frac{1}{2}$ sq. ft. ....	.65

Soiltex

Do you want to know which fields need lime? How much they need? With Soiltex you can make your own test, and at a cost of less than 2 cents. Only a minute or two required for each sample. Price, \$1.00. Sent prepaid.

Bird Seeds and Supplies

French's Bird Biscuit	\$0.12	Pkg.
" Mixed Bird Seed .....	.15	"
" Exercise Ball .....	.15	"
" Coloring Pepper .....	.25	"
" Canary Tint .....	.25	"
" Mite Powder .....	.25	"
" Nestling Food .....	.25	"
" Song Restorer .....	.20	"
" Bird Tonic .....	.25	"
Bird Baths, oval .....	.25	Each
Bird Bath Houses .....	.65	"
Cuttle Fish Holders .....	.10	"
Cage Cups .....	.15 to .20	"
Cage Springs .....	.15	"

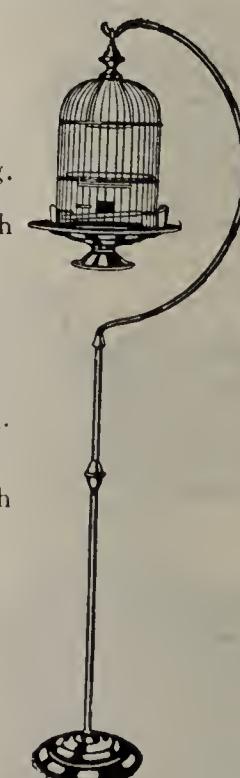
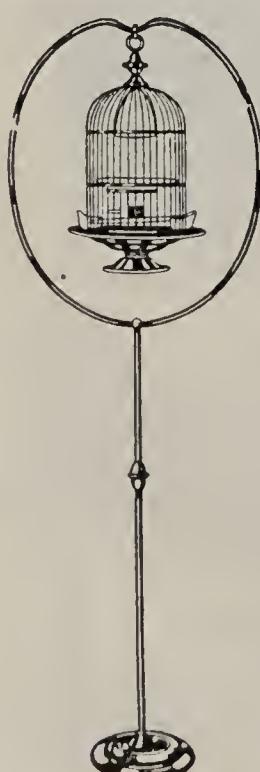
Bird Manna	\$0.15	Pkg.
Sicily Canary Seed .....	.20	Lb.
Cuttle Fish Bone .....	.05	Each
Hemp Seed .....	.20	Lb.
Sunflower Seed .....	.15	"
Millet Seed .....	.10	"
Maw Seed .....	.20	"
Unhulled Rice .....	.20	"
Rape Seed .....	.20	"
Bird Gravel .....	.10	Pkg.
Fish Food .....	.15	"
Cage Guard, 3 in. ....	.35	ft.
Cage Hooks .....	.20 to .25	Each
Ladderchain with Spring .....	.25	"

BIRD CAGES AND STANDS

Round and square brass Canary Cages.

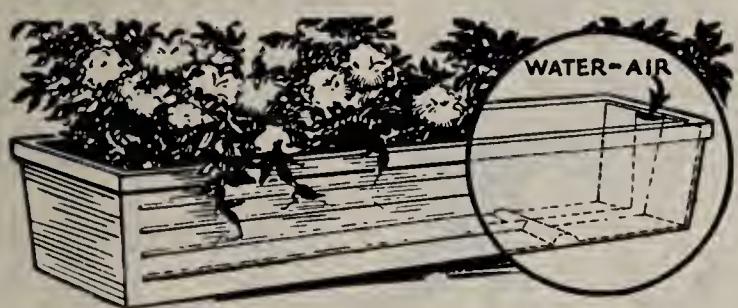
Round and square Parrot Cages, Breeding Cages.

Round Cages in Various Colors with or without Stands.



Farm and Garden Requisites

Perfecto Flower Box



Made of copper-alloy metal, built so plants may grow radiantly healthy, since air and water are admitted beneath the roots.

PRICES

26-inch, \$1.25, by mail, \$1.40	38-inch, \$2.00, by mail, \$2.15
32-inch, 1.50, by mail 1.65	44-inch, 2.50, by mail, 2.68

Lamco Window Box

A good box at a low price. Made of galvanized iron, finished in green.

PRICES

24-inch, \$.90, by mail, \$1.05	36-inch, \$1.25, by mail, \$1.45
30-inch, 1.00, by mail, 1.15	

Adjusto Plant Support

Consists of a hardwood stake together with a wire ring which may be adjusted to varying heights to conform with the growth of the plant.

PRICE

3 ft., \$2.10; 4 ft., \$2.40; 5 ft., \$2.75;
6 ft., \$3.00.

Timesaver Plant Support

Supports are made of cold drawn steel, are pointed and looped. Each stake is complete with a galvanized wire sliding clip and twine for tying plant to be supported. In using this support the twine is looped about the plant then passed into wire clip—no further tying necessary.

Prices per dozen: No. 2, 3 ft., \$1.15. No. 3, 3½ ft., \$1.60. No. 3-A, 4 ft., \$2.20. No. 4, 5 ft., \$2.75. No. 4, 6 ft., \$3.05.



Plant Stakes

From one and one-half to six feet in length, used for supporting single stalks of roses, dahlias, etc.

SQUARE STAKES

	Per doz.	Pcr 100
1½ feet, painted green, tapered,	\$0.25	\$ 1.50
2 feet, painted green, tapered,	.35	2.25
2½ feet, painted green, tapered,	.45	3.25
3 feet, painted green, tapered,	.80	6.00
4 feet, painted green, tapered,	1.25	9.50
5 feet, painted green, tapered,	1.80	14.00
6 feet, painted green, tapered,	2.00	15.50

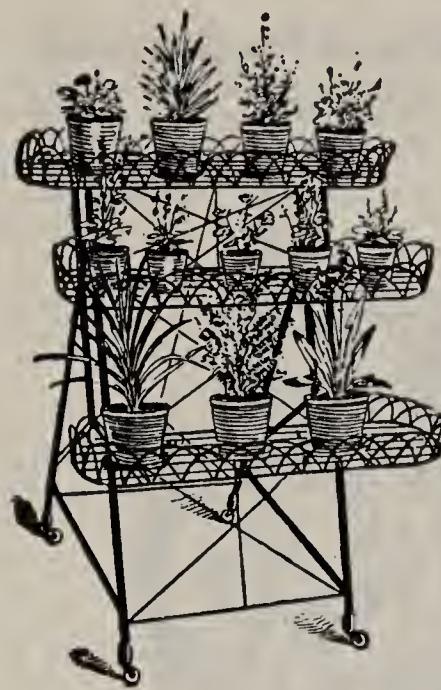
Bamboo Stakes

	Per doz.	Pcr 100
5 feet, natural color	\$0.75	\$ 5.00
4 feet, green	.35	1.50
3 feet, green	.25	1.25
1½ feet, green	.12	.60

Wicker Stands

With Galvanized Iron Lining

30-inch, \$2.50 to \$5.00.



Wire Plant Stands

1 shelf, folding	.....	\$3.35
2 shelf, folding	.....	4.75
3 shelf, folding	.....	6.00
4 shelf, folding	.....	7.75



Tomato and Plant Supports

Designed especially to protect tomatoes, peonies, and small shrubs and tall growing plants.

BARTLETT. Hardwood with wire hoops. Price, 35c each; \$3.25 per dozen.

BRYANT. Hardwood standards and wood hoops. Price, 20c each; \$1.75 per dozen.

Lite Wate Settee



Steel legs and braces, rustless bolts and nuts, and oak slats. The frame is green and the slats natural color. Price, \$2.50. By mail, \$2.85.

Trellises

K. & W. Lattice Veranda Trellis

	Each	Dozen
6½ ft.	\$1.00	\$10.75
7½ ft.	1.10	11.50
8½ ft.	1.25	13.50

FAN TRELLIS

1½ ft.	\$0.25	\$ 2.50
2 ft.	.30	3.00
2½ ft.	.35	3.50
6 ft.	1.10	11.50
7 ft.	1.25	13.50
8 ft.	1.50	16.50

ROUND IVY TRELLIS

12 in.	\$0.35	\$3.50
16 in.	.45	4.75

Croquet Sets

We carry a complete assortment, manufactured from selected hard wood handsomely painted and varnished.

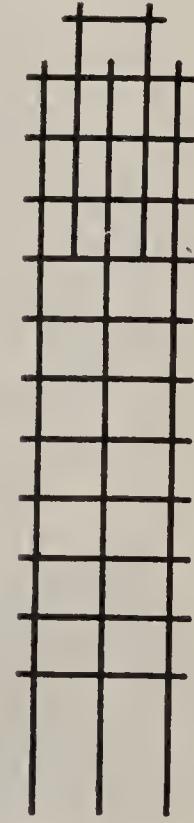
No. XA. Eight-ball set, all parts varnished, mallets painted, \$4.25.

No. XX½. Six-ball set. Same as XA in finish, \$3.85.

No. 22. Eight-ball set, 6¾ inch mallets, selected wood, nicely finished. Plain mallets. Solid color balls, \$5.00.

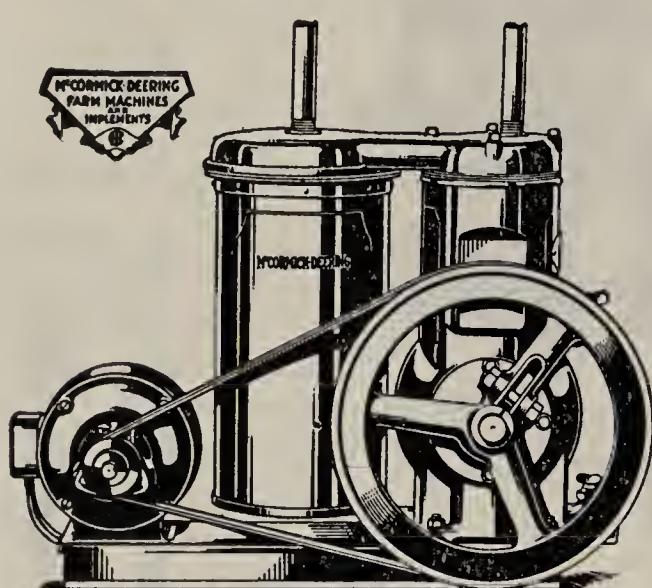
No. 5X. Eight-ball set, 8 inch mallets, short handles, painted and striped, \$5.35.

No. 4001. Four-ball set, painted and varnished, slightly smaller balls and mallets, made especially for children's sets, \$1.75.



Farm and Dairy Equipment

A Good Herd Deserves a McCormick-Deering Milker



The single-cylinder vacuum pump and the vacuum tank on the McCormick-Deering Milker, with electric motor drive. A double-cylinder vacuum pump can be obtained for use on large herds.

Outstanding in design and operation, simple to operate and clean. We want you to see this milker and the many features that appeal to every dairyman.

"The Most Sanitary Milker and the Easiest to Wash"



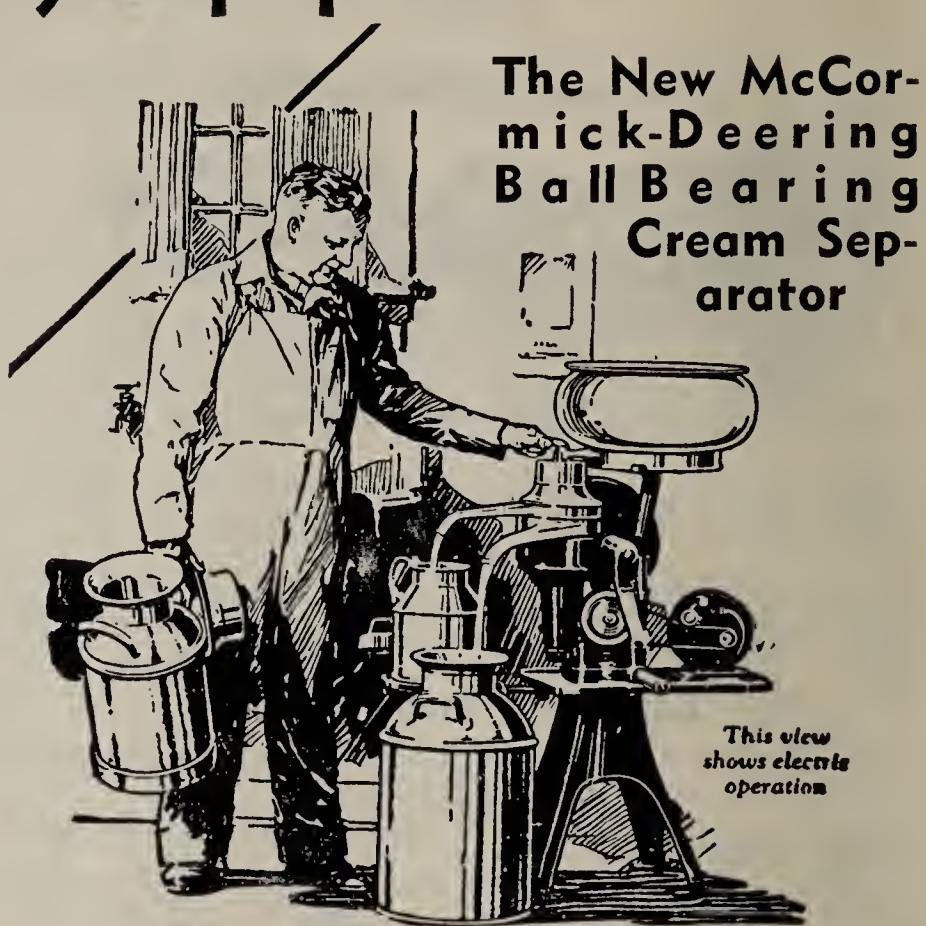
John Anusesky, of Stillwater, N. Y., says this about his McCormick-Deering Milker:

"I had four standard makes of milkers before I bought my McCormick-Deering, and I can truthfully say I never have seen a milker that would do as good a job of milking as it does, and it is the most sanitary and the easiest to wash. My bacteria test has been lower than ever before. I can recommend it as the best milker on the market today."

The Belle Barrel Churn

Single and double pulleys and pulley shafts can be furnished if desired to run by power.

	Price
No. 0. 6 gals., churns 1 to 3 gals. cream	\$ 7.50
No. 1. 10 gals., churns 1 to 5 gals. cream	8.25
No. 2. 15 gals., churns 1 to 7 gals. cream	9.25
No. 3. 20 gals., churns 2 to 9 gals. cream	11.00
No. 4. 25 gals., churns 2 to 12 gals. cream	12.75
No. 5. 35 gals., churns 3 to 16 gals. cream	15.00
No. 6. 60 gals., churns 6 to 22 gals. cream, with frame .	31.25
No. 6. 60 gals.. churns 6 to 22 gals. cream, no frame ...	26.25



This view shows electric operation

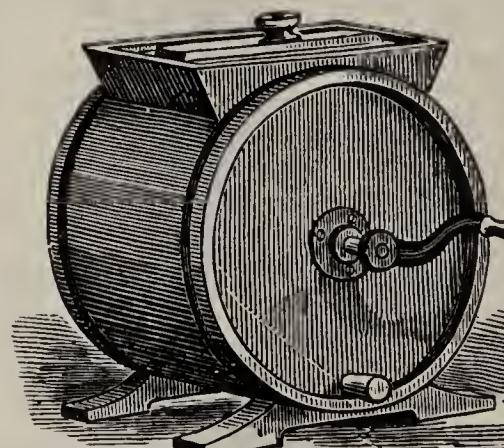
The New McCormick-Deering Ball Bearing Cream Separator demonstrated either at the store or your farm. Of course, no obligation.

An easy turning machine, with new bowl design, in six sizes, hand operated, and electric. Modernized farm equipment is one way to lighten the burden and minimize your labor costs.

The Blanchard Churn

The action of the dasher is such as to cause agitation of the cream by creating currents, and not by beating or by friction of the cream, which may injure the grain of the butter.

Price
No. 4. For up to about 4 gals. of cream
\$ 9.25
No. 5. For up to about 8 gals. of cream
10.50
No. 7. For up to about 16 gals. of cream
15.50



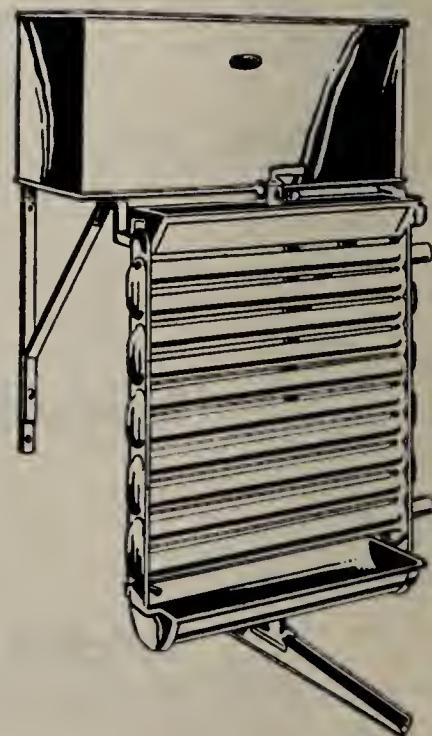
Cylinder Churn

A favorite style of churn which has been in use for many years.

No. 1.	
2-gal. capacity..	\$ 4.00
No. 2.	
4-gal. capacity..	4.75
No. 3.	
6-gal. capacity..	5.75
No. 4.	
8-gal. capacity..	6.50

Oriole Tubular Cooler

This new style Oriole Tubular Cooler is quite different from the original cooler. It has been improved in many ways, making it possible for every dairy, no matter how small, to enjoy the advantage of a genuine tubular cooler at a low price.

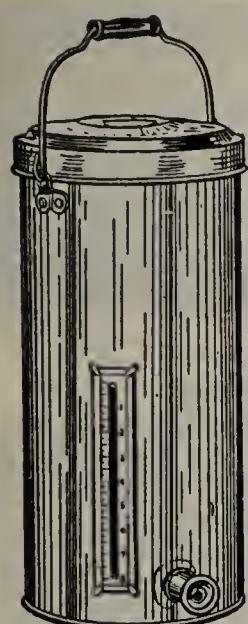


Farm and Dairy Equipment

MILK CANS

Strong, Durable, Serviceable

We can furnish tin, wood stopper Milk Cans, in any style, size or quantity; also 20 quart and 40 quart Shipping Cans, with either tin stopper or lock cover. The parts of all our Shipping Cans are made of steel heavily tinned by the hand-dipping process after they are formed.



K. & W. Can



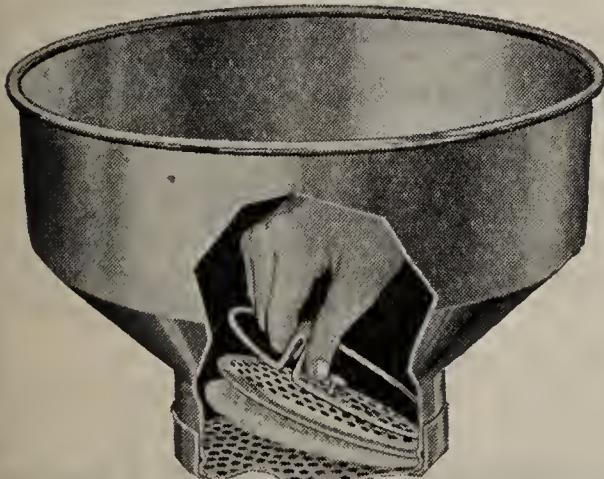
Lock Cover Shipping Can, 20 and 40 Quarts



New York Shipping Can, 20 and 40 Quarts

Cream Pails and Creamery Cans

Imperial Cream Pail, made like the "K. & W." Creamery can, but without faucet or glass, \$1.25 each; by mail, \$1.40.
6 gallon cream pail, \$3.50 each; by mail, \$3.67.
10 gallon cream pail, \$5.00 each; by mail, \$5.25.
"K. & W." Creamery can, \$2.25 each; by mail, \$2.40.



**Superior's
"Common
Sense"
Seamless
Strainers**

No. 12. Top diameter 12½ inches, neck 5⅜ inches. Uses 6 inch J. & J. Rapid Flo cotton disc. Equipped with one perforated tinned disc and a spring wire clip. Capacity 12 quarts, \$1.75 each; by mail, \$1.90.

Superior's Strainer Parts

SUPERIOR'S STRAINER PARTS

No. 41. Convex perforated tinned steel discs for Nos. 12 and 20 strainers. 36c each.

No. 43. 5⅜ inch spring wire clip for Nos. 12 and 20 strainers, 21c each.

Rapid-Flo Filter Disks

Rapid-Flo Filter Disks will filter milk in an average of one-half the time required by ordinary disks. Public demonstrations in leading dairy centers, under supervision of Certified Public Accountants, city and state milk officials and dairy research engineers bear out the speed and accuracy tests of Rapid-Flo. Reduces bacteria contamination.

Prices in carton of 300 disks

	6 in.	6½ in.
Plain finish	\$0.80	\$1.15
One side gauge	1.40	1.70

The Four-Valve Filler

Equipped with four valves to fill quart bottles in standard 3x4 crates. When filling pints or half-pints, bottles should be transferred to special 16 bottle crates, arranged 4x4.

Type "B" Hand Operated

Four Valves, One Capper

12 to 16 bottles per minute, any size. Tank capacity, 16 gallons.

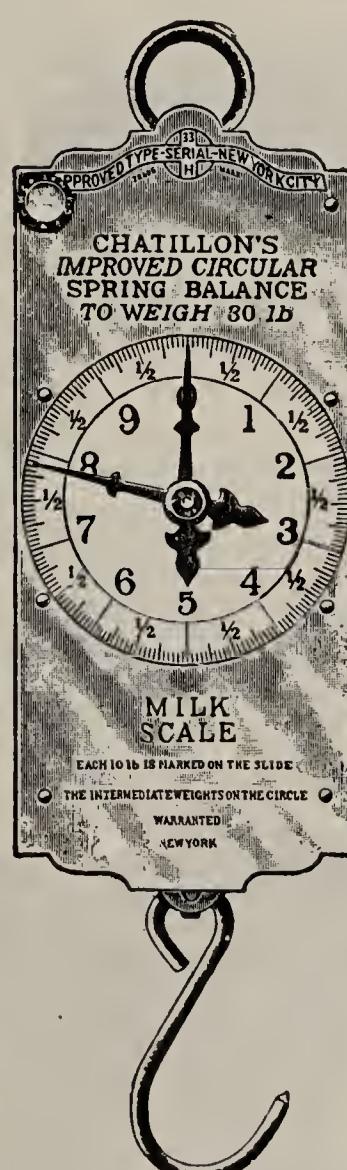
Type "BB" Hand Operated

Two Valves, one Capper

10 to 12 bottles per minute, any size. Tank capacity, 12 gallons. Floor dimensions, 30½ in. long by 29 in. wide by 50 in. high. Weight uncrated, 134 pounds. Crated, 205 lbs. Used in large plants, too, for specials and cream.

Wright Hand Capper

Meets a very real need in the small dairy where capping by thumb is under ban of health authorities. It is a mighty handy emergency outfit for the large plant to tide over periods of breakdown and for the special rush orders that continually come into every plant.



Improved Circular Spring Balance Milk Scales

Used by Most Dairymen

Graduated on dial into 1/10 pound. No. 270. Weighing up to 60 pounds, \$6.50; by mail, \$6.60.

No. 260. Weighing up to 30 pounds, \$6.00; by mail, \$6.10.

Fairbanks

Platform Scales

Capacity 500 lbs., by 1/2 lbs. Platform, 16 by 25 inches.

For weighing cans of milk, hay, grain, etc. Mounted on wheels, easily moved from place to place, fitted with brass arrow, double beam, both beams being graduated alike.

Can Sterilizer and Cleanser

For milk and ice cream cans. Operated with three pedals, one releases live steam, another water, and the third both live steam and water. Operated by foot control. A rapid and worth-while machine for every dairy.

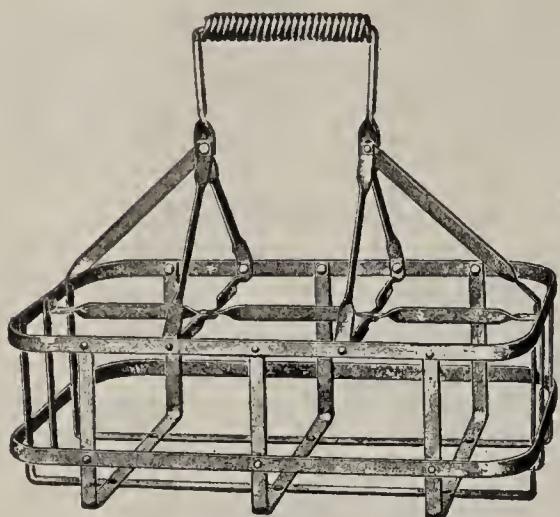
"Dairy Boy" Bottle Washer

Priced completely as Pictured, \$28.00 Extra for special current windings, \$2.00.



All equipment operates from the light socket. Be sure to give the current specifications when ordering.

Farm and Dairy Equipment



Milk Bottle Carriers

4-quarts, round wire \$1.35
6-quarts, round wire 1.35
8-quarts, round wire 1.65
6-quarts, flat wire .. 1.65
8-quarts, flat wire .. 2.00
By mail add 10c extra;
on the 8-qt. flat wire add
15c.

Milk or Cream Bottles

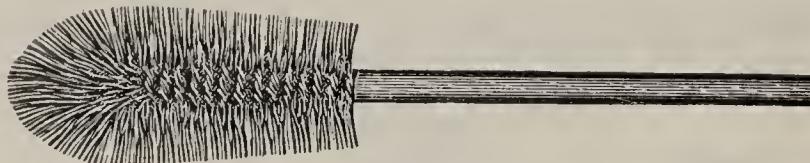
The "Common Sense" Bottle, capped by a strong, clean paper cap, is the best, as it can be washed absolutely clean, and no taint is possible in milk put up in these bottles.

Per doz.

1/2 pt. Common Sense	\$0.65
1 pt. Common Sense .....	.75
1 qt. Common Sense .....	.90
Made in two sizes. No. 1 taking a cap 1 1/8 inches in diameter, and No. 2 a cap 1 1/8 inches in diameter.	
Special prices on five or ten gross lots.	

Brushes

No. 86



No. 61



Cover Spout Brush



No. 86 Bottle Brush, 60c; by mail, 65c.

No. 61 Bottle Brush, 35c; by mail, 40c.

We are in a position to furnish the best kind of brushes for dairy use, and recommend especially our line of can, separator and bottle brushes.

Separator Bowl	50c; by mail, 57c
Separator Tube	20c; by mail, 23c
Separator Cover Spouts	20c; by mail, 23c
Can Cover Brush No. 197.....	45c; by mail, 52c
Can Brush, No. 25	50c; by mail, 57c
Test Bottle	10c; by mail, 13c
Milk can	\$1.00, by mail, \$1.10

Special prices for large quantities.



Farm Disinfectant Dairy Sterilizer

Sterilizes Milking Machines, Pails, Cans, Strainers, Cloths
Prevention and treatment of Calf scours, retained afterbirth,
abortion. Ask for bulletins on these subjects.

1 gallon jug	\$2.00
5 gallon jug	8.50

Successful for nearly fifteen years.

Wyandotte Sterilizer

For Milk Plants, Creameries, Farm Dairies, Ice Cream Plants,
Cheese Factories.

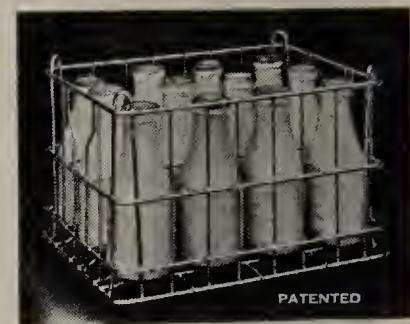
It will maintain a uniform chlorine strength. In dry form Wyandotte Sterilizer does not lose its chlorine, like ordinary sodium hypochlorite product.

Contains 4% available chlorine which is about double the strength of the commercial chlorine products.

5-lb. cans, \$1.90; 10-lb. cans, \$3.35; 25-lb. drums, \$6.40.

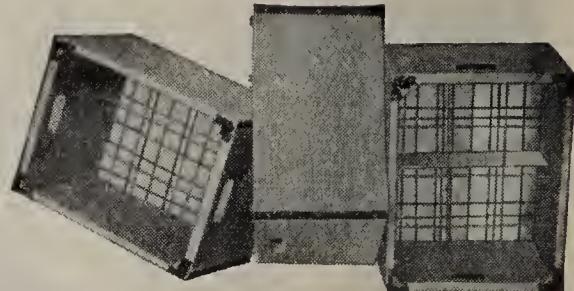
Steel Bottle Carriers

Price, 1 qt., \$2.00; 1 pt., \$2.25;
1/2 pt., \$2.25.

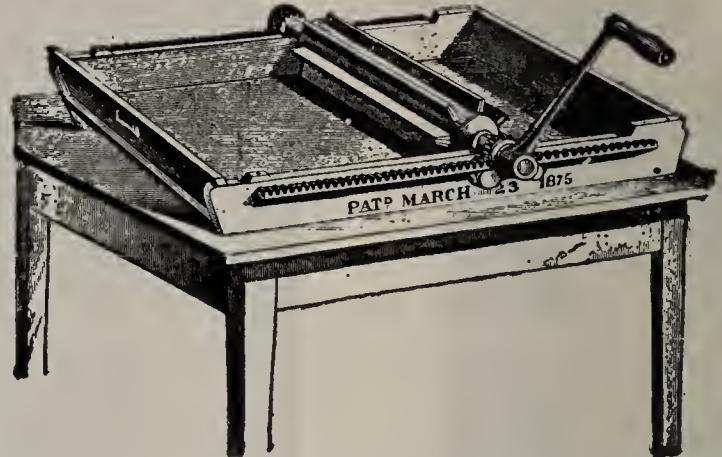


Wooden Bottle Carriers

Price 1 qt., \$1.70; 1 pt., \$1.70; 1/2 pt., \$1.85.



Reid's Patent Butter Worker



Three pounds can be worked in any of the above machines, as well as a large quantity. In buying a worker you should choose a size that will work the largest quantity that you will be likely to want to work at a time.

No.	Size	Depth Inside	Capacity	Price
1.	23x36 in.	2 1/2 in.	50 lbs.	\$23.75
2.	20x36 in.	2 1/2 in.	30 lbs.	20.50
3.	17x27 in.	2 1/2 in.	20 lbs.	17.50
4.	14x23 in.	2 1/2 in.	10 lbs.	15.00

Tie Out Chains

20 ft., 65c; by mail, 75c. 30 ft., 85c; by mail, 95c.

Cow Ties

3 ft., 45c; by mail, 55c. 3 1/2 ft., 50c; by mail, 60c. 4 ft., 60c;
by mail, 70c. 4 1/2 ft. bull, 75c; by mail, 87c.

Pioneer Brand Parchment Butter Paper

Guaranteed to Contain no Oil, Grease, Paraffine or Wax.

Printed paper. Printed to comply with the law requiring the weight of the butter to be marked on the container. Sold in packages only. Price per package, 7x9 (1/2 pound size) 5 pounds, \$1.75;
by mail, \$1.88. 9x12 (1 pound size) 7 pounds, \$2.45; by mail,
\$2.60.

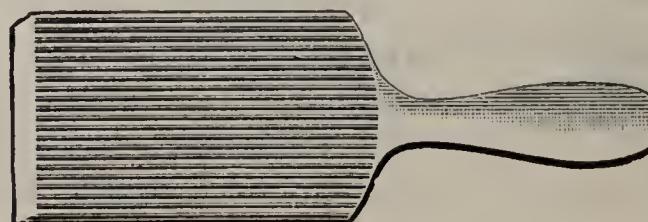
Price, plain paper, 30c per pound; by mail, 38c.

Write for quotations for large quantities and for printing special designs.

One Pound Folding Paraffined Paper Butter Boxes

ODORLESS AND TASTELESS

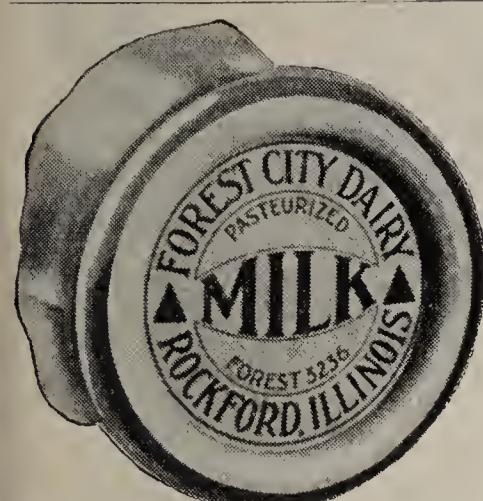
Price, \$1.50 per 100; \$13.50 per 1,000. By mail, \$1.64 per 100.



Butter Ladles,
15c; by mail, 18c.
Creased Butter
Spades, 15c; by
mail, 18c.

Plain Butter
Spades, 12c; by
mail, 15c.

Dairy Farm Equipment and Supplies



Milk Bottle Caps

No. 1. $1\frac{1}{8}$ inches in diameter, plain or printed caps, 60c per 1000. By mail, 71c. In cases of 5000, \$3.00 per case. By mail, \$3.22.

No. 2. $1\frac{5}{8}$ inches in diameter, and No. 3, $1\frac{3}{4}$ inches in diameter, plain or printed caps, 57c per 1000. By mail, 68c. In cases of 5000, \$2.85 per case. By mail, \$3.07.

Special prices on barrels containing 50,000 caps. Caps with special printing made to order.

Kuvercap

A moderately priced sanitary milk bottle cap.

Wyandotte Dairymen's Cleanser and Cleaner

A powder especially compounded for use in the dairy and creamery for washing all dairy utensils, glass, and tinware, in a most satisfactory and sanitary manner. The use of this powder means absolute cleanliness. Price, 5-lb. bags, 40c; by mail, 52c. 80-lb. kegs, \$4.93; 280-lb. barrels, \$13.80.

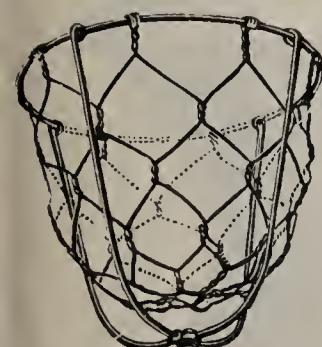
Wells & Richardson Co.'s Dandelion Brand Butter Color

Purely Vegetable

Will not become rancid. Will not color the buttermilk. Gives a bright June color. Always gives satisfaction.
Small size, to color about 375 pounds, \$0.35; by mail, \$0.42
Medium size, to color about 750 pounds,65; by mail, .72
Large size, to color about 1875 pounds, 1.00; by mail, 1.10
Cans, 1 gallon 4.50; by mail, 4.75

Hansen's Danish Rennet Tablets

Always of the same strength, entirely preservable, separates the cheese matter completely, and gives the greatest quantity possible. Price, package of 25 tablets, 75c; by mail, 78c.



Ox Muzzles

Small, per pair, 65c; by mail, 75c.
Large, per pair, \$1.10; by mail, \$1.20.

Cow Bells

No. 1, 70c; by mail, 80c. No. 2, 55c; by mail, 65c. No. 3, 50c; by mail, 60c. No. 4, 45c; by mail, 55c.

Ox Balls

Made of brass in three sizes. Price, 10c to 15c each, by mail, 12c to 17c each.

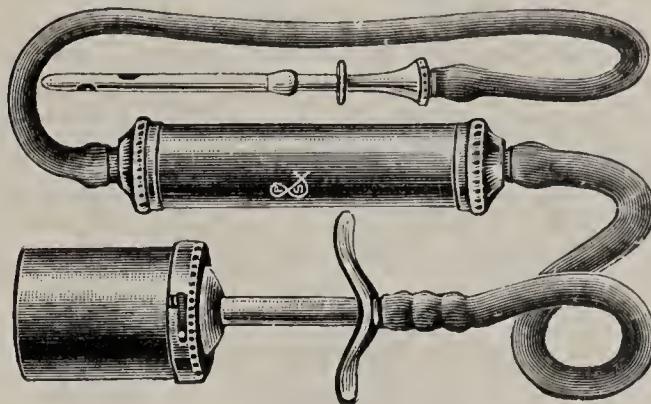
Bull Rings

$2\frac{1}{2}$ -inch copper, 25c; by mail, 28c. 3-inch copper, 30c; by mail, 33c.



The Pilling Milk Fever Outfit

For Sterilized Air Treatment.



Has cured 97% of all cases treated. Recommended by the Bureau of Animal Industry of the U. S. Department of Agriculture. The outfit consists of the instrument, a roll of tape, a package of carbolized cotton and full directions. Price, \$3.00; by mail, \$3.08.



Pilling Lead Probe

With full directions. For the treatment of obstructed teats, also for enlarging the opening. Price, 30c; by mail, 32c.

No. 500 Bull Snap

Designed to put on a pole to make a bull staff. Price, 85c; by mail, 95c.

Pilling Hard Rubber Teat Plug

Price 65c; by mail, 67c.

Milking Tubes

Price, 25c; by mail, 27c.



Medicated Wax Teat Dilators

For obstructions, sores on end of teat, hard milkers, etc. Price, per package of 18, 25c.

Kow Kare

Prevents and cures abortion and barrenness. Increases the flow of milk. It is for cows only. 65c and \$1.25 per can; by mail, 75c and \$1.37.



BAG BALM. Cures caked bags and sore teats. Should be in every stable. 60c; by mail, 65c.

CALF CORDIAL. Sure cure for scours and similar complaints. 50c; mailing weight, 2 lbs.

Grange Garget Remedy

Positively cures garget without in any way injuring the cow. Price, 65c per can; by mail, 75c.

Cow's Relief

A standard remedy among dairymen. A sure relief for caked udder, and will keep bag and teats free from soreness. Price, 50c per can; by mail, 55c. \$1.00 per can; by mail, \$1.08.



Rice's Weaner

For preventing calves and cows sucking themselves or each other.

PRICE

No. 1, for calves, 45c; by mail, 48c. No. 2, for heifers, 70c; by mail, 73c. No. 3, for cows, 90c; by mail, 95c.

Small's Calf Feeder

This is a device by which the calf may be fed away from its dam, and with any mixture of milk (or whatever else is healthful and desirable) with convenience and in the natural way, with that admixture of saliva which does not occur when calves drink from a pail. Price, \$3.75; by mail, \$3.85; extra nipples, 50c each; by mail, 52c.

Farm and Dairy Equipment

Lookout Boilers

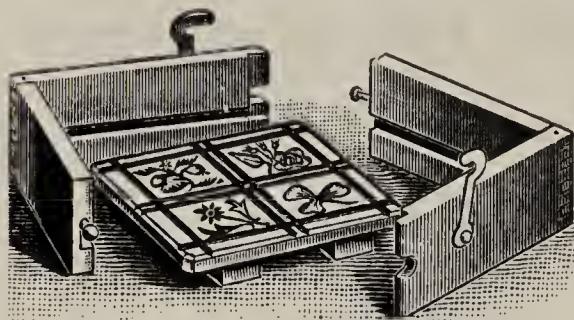
A. S. M. E. Construction Boilers

Vertical Boilers. Full Length Tubes. Tubeless

Lookout Boilers are known for their heavy construction, simplicity and safety in design, and workmanship. Tubeless boilers are recommended for service in localities where the feed water contains elements which would cause the quick corrosion of the tubes of the standard type vertical boilers and also where the feed water contains elements which would form a scale and be deposited on the tubes of the standard type vertical boilers.

Quaker City Bottle Sterilizer and Rinser

Reversing racks with each machine. Floor space, 3 feet, 9 inches by 1 foot, 9 inches. Shipping weight, 210 lbs.



If engraved initials, or any hand carving, add to the regular price 25 cents for each cake so engraved.

Blanchard Butter Mould

$\frac{1}{2}$ lb., two $\frac{1}{4}$ lb. prints, 75c; by mail, 83c. 1 lb., four $\frac{1}{4}$ lb. prints, 85c; by mail, 95c. 2 lbs., eight $\frac{1}{4}$ lb. prints, \$1.35; by mail, \$1.45.

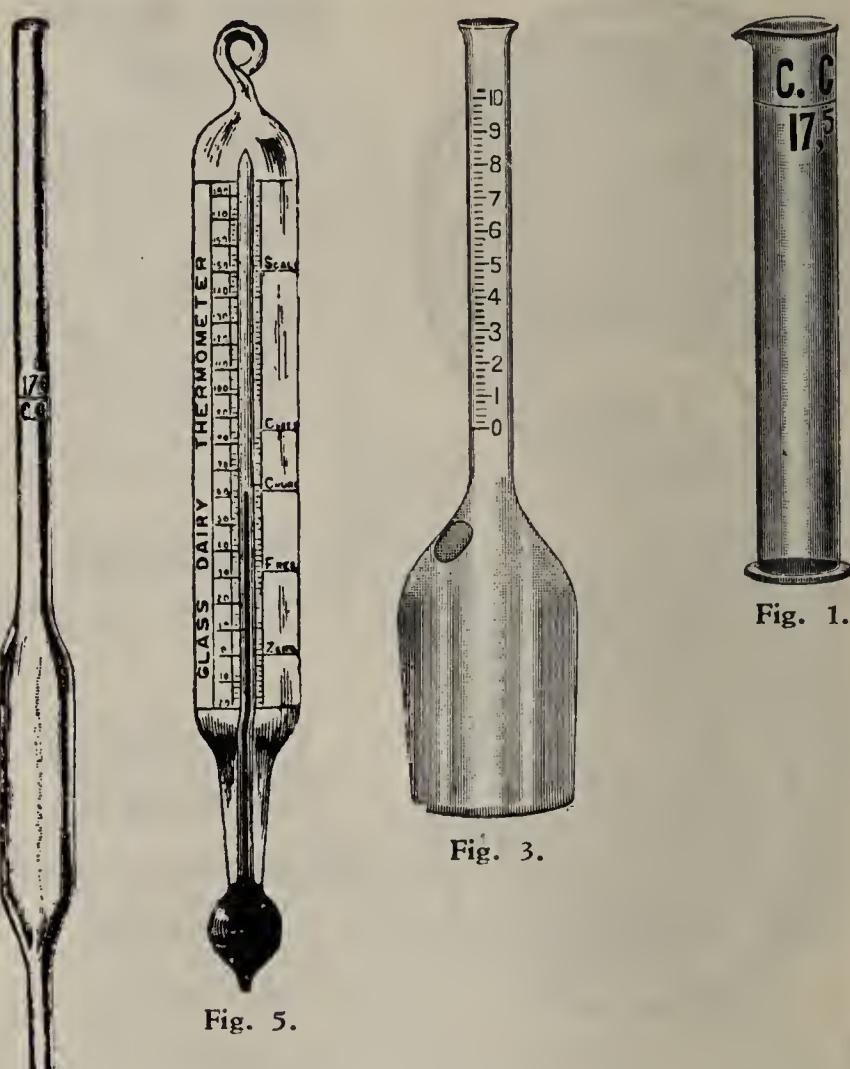
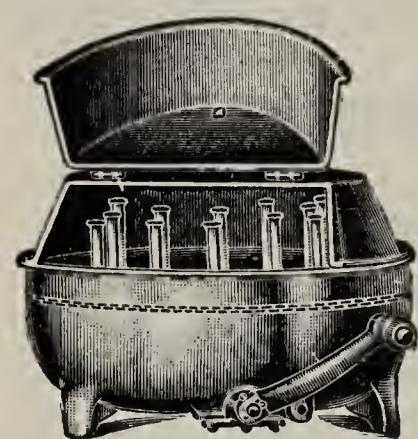


Fig. 3.

Fig. 5.



The "Facile" Improved Babcock Milk Tester

Used by creameries and cheese factories, state experiment stations and dairy schools. Nothing has been produced embodying all of its desirable features, and it remains today the leading Babcock machine.

Prices do not include glassware.
8 bottles \$21.00
10 bottles 22.00
12 bottles 25.50

Glassware for Babcock Test

Every dairy should be equipped with these worth-while testers.

Fig. 7.

	Each By Mail
Lactometer, for testing quality of milk	\$0.75 \$0.80
Floating Dairy Thermometer (Fig. 5) .....	.50 .55
Babcock Test Bottles (for milk), 10 to 50% (Fig. 3) .....	.50 .55
Babcock Test Bottles (for cream), 50% .....	.50 .55
Pipettes (Fig. 7). ....	.50 .55
Acid Measures (Fig. 1) .....	.25 .30

The "Facile" Junior Babcock Milk Tester

The tester is similar to the above, but does not have the bottles enclosed in the metal case.
2 bottles \$8.00 4 bottles \$8.50

Acid for Babcock Tests

This acid is put up expressly for making Babcock tests, in 1 quart bottles, 1 gallon bottles or in carboys.



The Eureka Sanitary Pail

Price, 14 quarts, \$3.25; by mail, \$3.35.

Plain Milk Pails

1X 10 qt.	\$0.55;	by mail,	\$0.70
1X 12 qt.	.60;	by mail,	.75
1X 14 qt.	.65;	by mail,	.80
2X 10 qt.	.65;	by mail,	.80
2X 12 qt.	.85;	by mail,	1.00
2X 14 qt.	1.00;	by mail,	1.15

The New Dover

Sanitary hooded milk pail. The best milking pail on the market. Price, \$2.60. By mail, \$2.75.

Champion Milk Cooler and Aerator

Removes all flavors arising from excessive cabbage, turnip or silo rations.

A complete deodorizer, removing the animal heat or cowy taste and all odors arising from absorption by the milk of stable or other unpleasant gases.

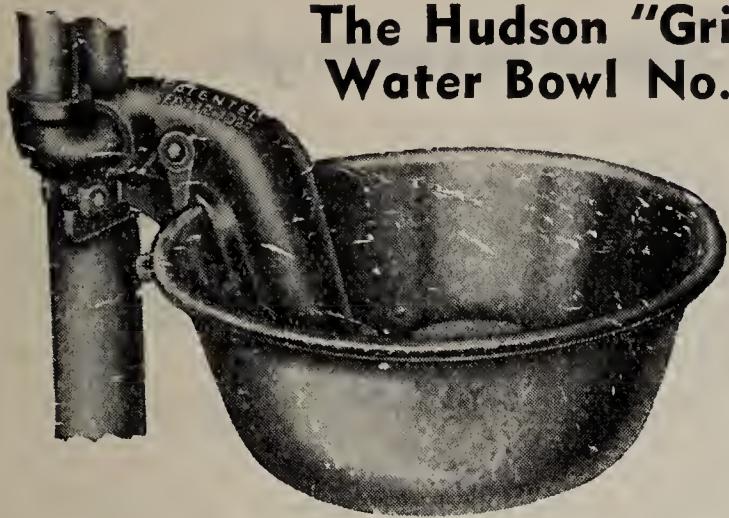
A thorough cooler, reducing the temperature of the milk in one minute nearly to the temperature of the cooling medium.



	Capacity of Milk Receiver	Size of Dairy	Takes Care of	Price
2.	18 quarts	10 to 25 cows	3 milkers	\$ 8.00
3.	34 quarts	25 to 50 cows	5 milkers	9.60
4.	52 quarts	50 to 100 cows	8 milkers	12.00

Barn Equipment

The Hudson "Grip-Tite" Water Bowl No. 99

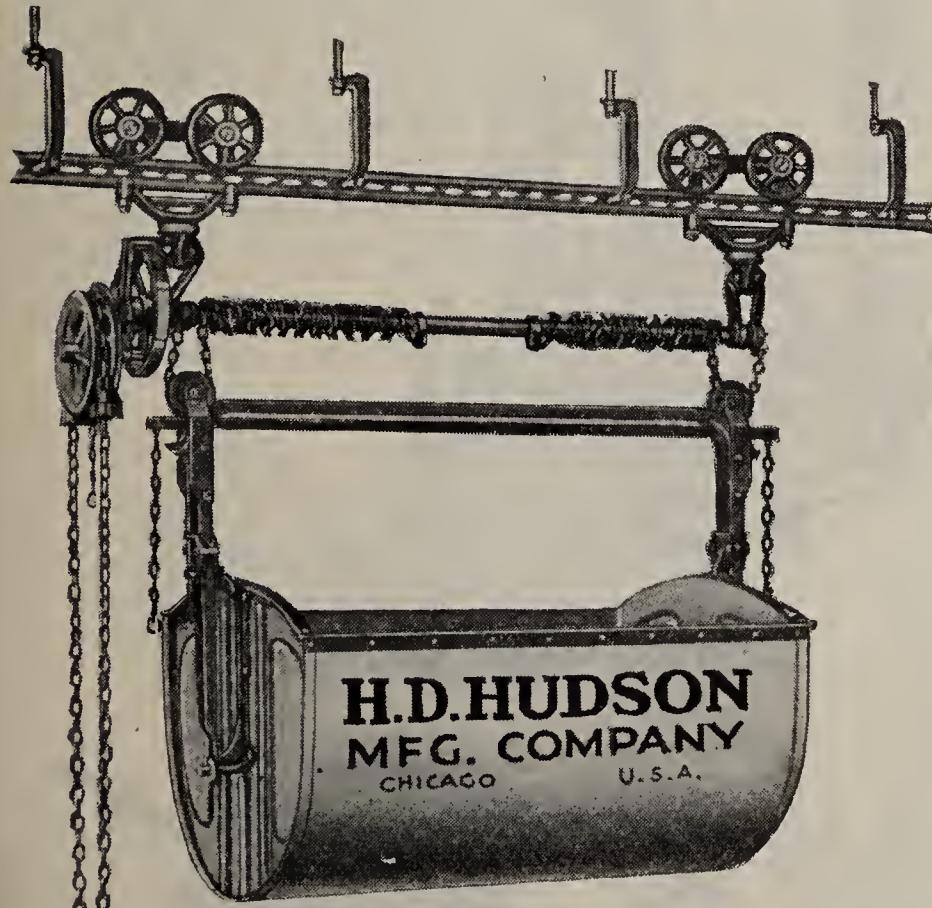


The new Hudson "Grip-Tite" Water Bowl is entirely original in design, and one that appeals to dairymen as being 100% right. It is the development of years of experience in making Water Bowls. Meets all requirements. Weight, 10½ lbs. each. Shipped 12 in a box; weight 130 lbs.

Stanchion Basin

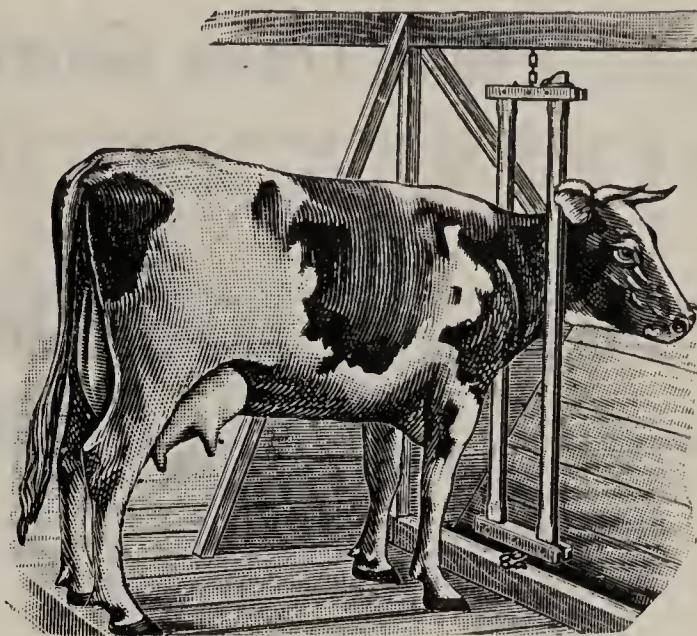


Can be emptied and cleaned in 3 min., without fouling supply pipe; is easily kept antiseptic, and can be quickly connected, being screwed on the upright pipe inside of basin.



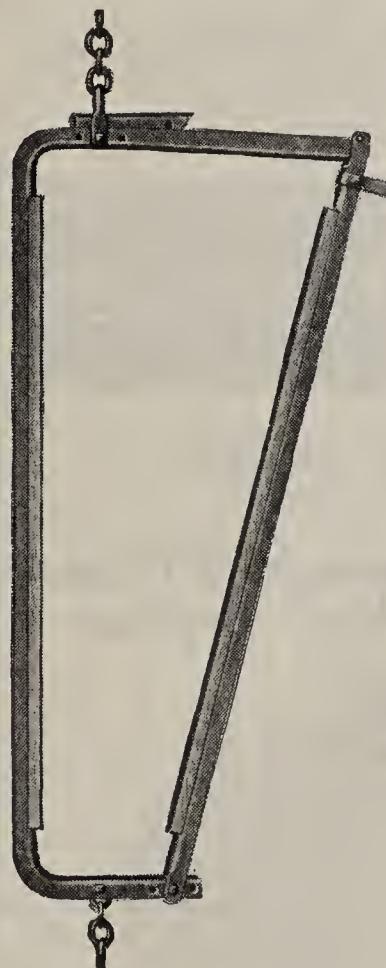
Hudson Chain Hoist Litter Carrier

Takes out several wheelbarrow loads of manure at a single trip—takes it clean without spilling or dripping—carries it clear away from the door—dumps the entire load into manure-pit or manure-spreader. Operated by a chain hoist, assuring easy control and cleanliness.



Robertson's Patent Chain-Hanging Stanchion

Practical, safe and durable, and affords comfort to the animal. Made with adjustable neck space.



Hudson Stanchion No. 181-W

Steel Adjustable

A very popular design, preferred by dairymen. Easily adjusted, easy to install. The latch is simple, strong and trouble-proof.

Material: High carbon, rust-resisting steel U-bars, assembled with heavy steel fittings. No casting used.

Stanchion Lead: An extension of the stationary arm of the stanchion, provided with a stop to keep movable arm from opening beyond a certain point. Movable arm fitted with post fork to engage stall upright post when stanchion is open.

Special Stall No. 500

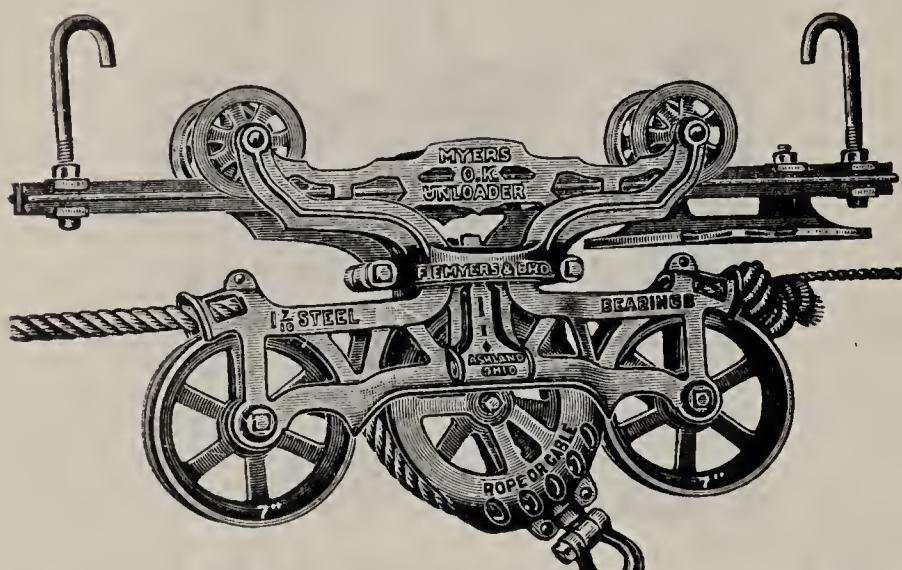
With No. 181-W Stanchion

The No. 500 Stall is shipped knocked down and without the Hudson Angle Anchor System. Rust resisting steel tubing and malleable fittings.

Upright: Partition and top rail, 1½ inch. O. D. carbon steel tubing. Fittings: Malleable tee couplings, two-bolt dust-proof type. Anchors: No. 10B "U" bolt and yoke as shown. Width: Regular, 3 feet, 6 inches. Narrower stalls can be furnished when specified. Stanchions: No. 181-W adjustable wood lined stanchion. Finish: Hudson fused aluminum. Weight complete with No. 181-W stanchion, 52 lbs. Can be furnished with other Hudson Stanchions at slightly higher prices.

Barn Equipment

Steel Track Carriers With Steel Bearings



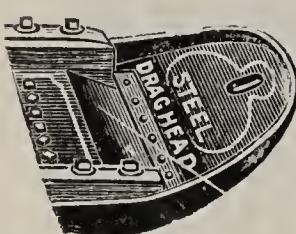
No barn is complete without one of these reversible steel track hay carriers.

These Carriers for rod, wood or steel track are the most durable and easiest rigs to operate of any on the market. Anyone with a hammer and wrench can rig his barn as well as an expert carpenter. We furnish everything necessary for rigging any style of barn. If you will send us the length and height of your barn and the style of ridge pole, we will name your price for complete job.

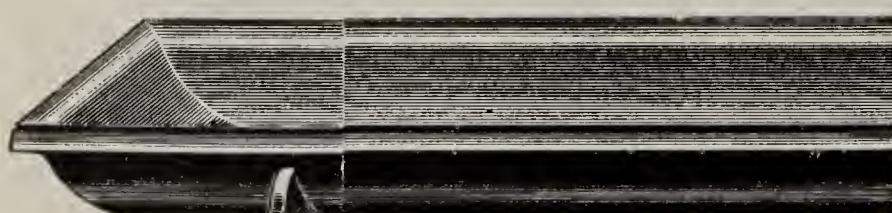
Price

Double steel track, per ft.	.....
Hanger hook, each	.....
Pulley hook, each	.....
Hay unloader, each	.....
Knot passing pulley, each	.....
Two-tine harpoon fork, 25-inch, each	.....
Two-tine harpoon fork, 31-inch, each	.....
Four-tine grapple fork	.....
Six-tine grapple fork	.....
Rafter bracket, each	.....
Jointed hanger hooks, each	.....

Steel or Iron Boat Heads



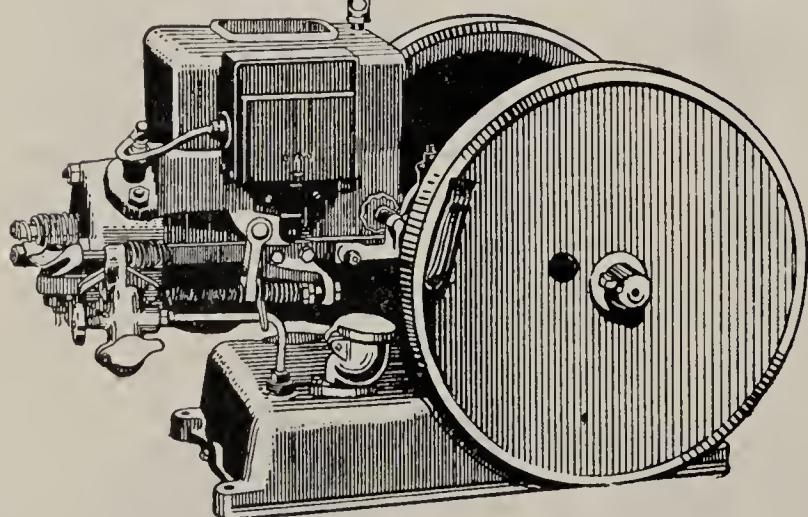
A simple, complete and inexpensive device whereby a stone boat can be made in a few minutes by using straight plank. Will last a life time.



Cast Iron Hog Troughs

3, 4, and 5 foot lengths.

Monarch "Hit and Miss" Engines



Monarch "Hit and Miss" Engines burn gasoline only. The "hit and miss" governor is recognized by engine authorities as the best for small engines, particularly the 1 3/4 horse power. This governor automatically regulates the fuel supply so that only enough gasoline can be drawn into the cylinder to keep the engine up to normal speed.

SPECIFICATIONS OF MONARCH ENGINES

Horse Power	Type	Fuel Consumed	Floor Space	Speed	Cylinder	Diameter of Fly wheels	Size of Pulley	Weight
1 3/4	Hit and Miss	Gasoline	500	20"x40"	3 1/2"x 5"	16"	4"x4"	225 lbs.
3	Throttle	Kerosene and gasoline	450	27 x38	4 1/2 x 6	21	8 x6	475 lbs.
5	Throttle	Kerosene and gasoline	430	30 x45	4 3/4 x 8	26	12 x6	700 lbs.
7	Throttle	Kerosene and gasoline	370	38 x58	5 1/2 x 10	36	14 x8	1215 lbs.
12	Throttle	Kerosene and gasoline	330	46 x71	6 3/4 x 12	42	22 x8	2100 lbs.

Price on Application

The Myers Self-Oiling Electric Pump and Home Water System



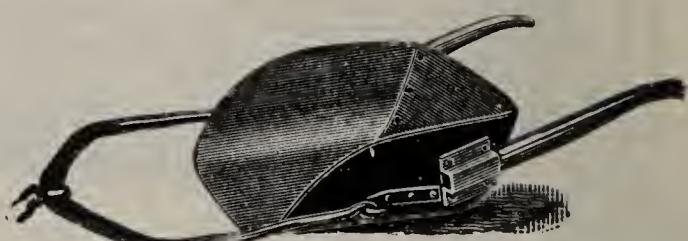
Motor Driven, Automatically Controlled, Economical, Efficient

This Pump is self-oiling, motor driven, automatically controlled, economical, and efficient. It is designed for operation from any kind of city current or from farm lighting and power systems. Capacity 340 gallons per hour.

No. 909AT. Myers Self-Oiling Home Water System, with vacuum chamber, relief valve, air valve, pressure controller, endless belt and 1/4 H. P., 110 volts, 60 cycle, single phase A. C. motor, with 42 gallon galvanized tank, base, water gauge, pressure gauge and connecting fittings. Suction 1 inch, discharge 3/4 inch.

If frequency and voltage are other than specified above on motors, there will be an extra charge. Specify current used. If A. C. give phase, frequency and voltage. If D. C., give voltage.

Steel Road Scrapers



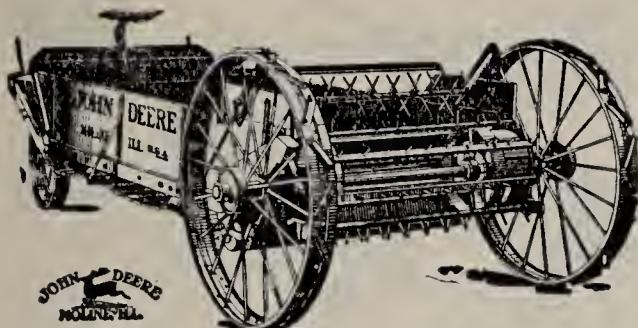
Made of heavy steel plates, cut from a single sheet, pressed cold, lapped and riveted at the corners, giving greatest strength where needed. Special steel is used in bail, and they are hung so as to handle easily. Heavy shoes or runners are used to stiffen the bottom.

Made in Three Sizes

No. 1.	33 1/2 x 32	x 11 1/2
No. 2.	31 x 28	x 10 1/2
No. 3.	30 x 27 1/2	x 9 1/2

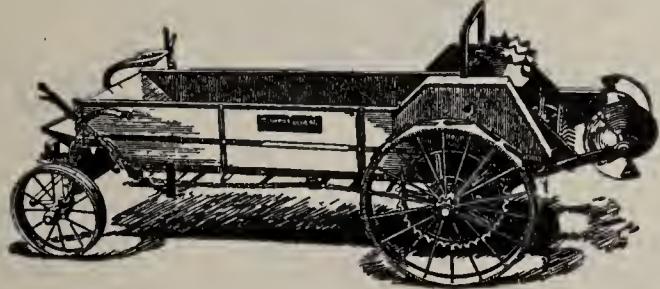
Farm Implements

John Deere Spreader



The John Deere Spreader with the beater on the axle—has only one-half as many parts as the simplest spreader heretofore manufactured. All its working parts are mounted on the rear axle. It has no chains, no clutches and no adjustments. Being low down, it is easy to load.

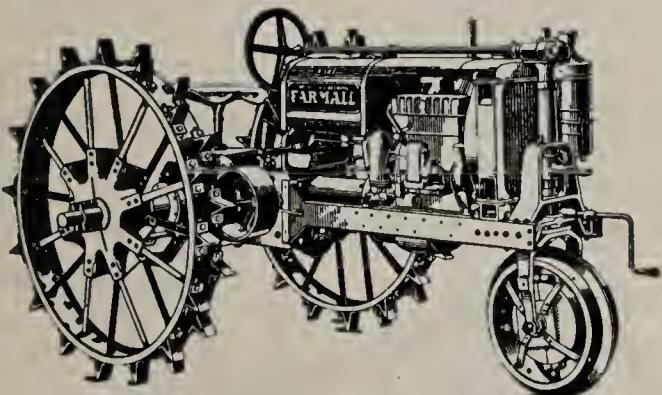
McCormick-Deering Manure Spreader



A well built, durable spreader of the finest workmanship, so light in draft that it requires only two horses. The box is just the right height from the ground for easy loading. In order to produce best results, manure must be well shredded and uniformly spread, and this the McCormick Deering does to a surprising degree. Two steel beaters pulverize the manure, after which it receives a third beating and is spread out evenly beyond the wheels by the widespread spiral. Unevenly spread manure or lumps interfere later with the proper plowing or cultivation of the field. It has six conveyor speeds and eight roller bearings; spreads so evenly that manure does not interfere when working the ground with other machines and so thinly that it will not interfere with the pasturing of stock; permits spreading after seeding or planting, or can be used to top-dress the meadow or pasture without choking down the grass or grain; can be operated by a boy just as well as by a man, and it has an auto-steer front truck.

The spreader weighs approximately 1375 pounds, with a capacity as ordinarily loaded of 57½ to 67½ bushels. The box is 18 inches deep.

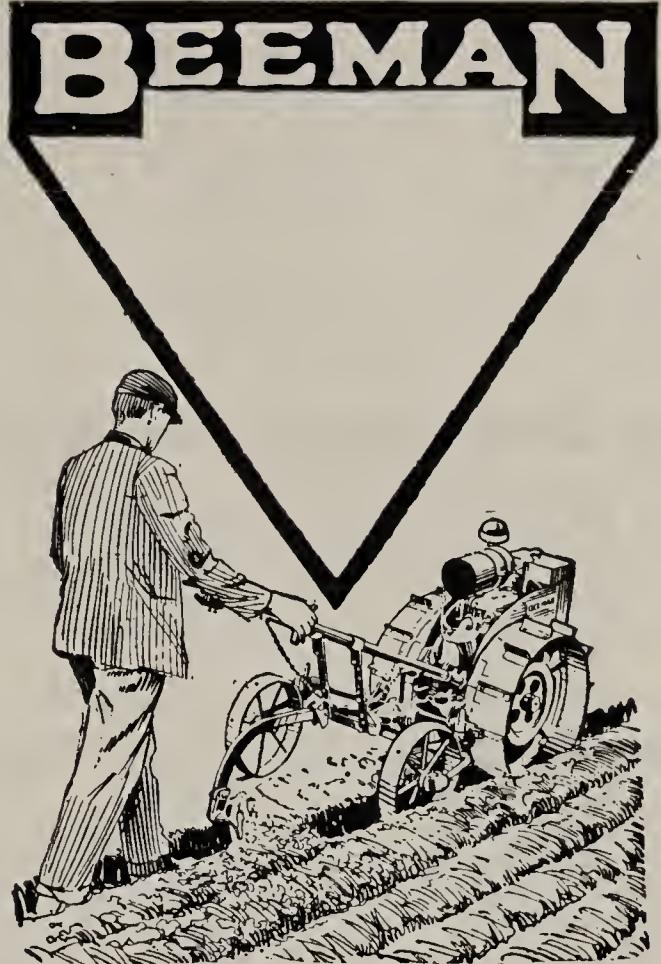
Farmall Tractors F12, F20, F30



The Farmall is a triple-power tractor supplying power on the drawbar, belt, and power take-off. The drawbar has a wide range of adjustment, both vertical and horizontal. Belt-pulley is located on the right-hand side of the tractor in the operator's line of vision. The power take-off, which supplies the engine power direct to the pulled machine, is the regular equipment with the Farmall. Power take-off extends from the rear of the transmission and operates at all forward speeds. The steering mechanism enables short turns to be made quickly and at ease. In making short turns an automatic brake holds the inside wheel so that the Farmall can turn in a circle with an 8-foot radius.

It not only supplies an abundance of power for plowing, harrowing, harvesting, and haying, but it is so constructed that it will do the planting and cultivating of such crops as corn, potatoes, beets, beans, etc.

Beeman Multi-Service Tractor



American Pioneer Small Tractor and Power Cultivator.

Its construction permits it to care for the lighter or difficult jobs. Handles all crop rows 12 inches wide and wider in cultivating and sows multiple rows that are from 12 inches to 18 inches apart.

For small acreage this tractor will handle economically the plowing, harrowing, cultivating, cut the lawn or meadow, haul in the crops, haul out the fertilizer, saw your wood or do other belt work not requiring in excess of 4 h. p.

Specifications—Single Cylinder, 4-Cycle, Radiator Water Cooled Motor of the L-head, vertical type, 3½-in. bore, 4½-in. stroke, 2·4 h. p. 25-in. bull wheels with 3¼-in. tires. Tractor is 17½ in. wide, outside to outside of wheel rim. Speed, ¾ to 2½ miles an hour in the field. Fuel, gasoline, one gallon gives 4 hours work. Weighs approximately 550 lbs.

Oliver Plows

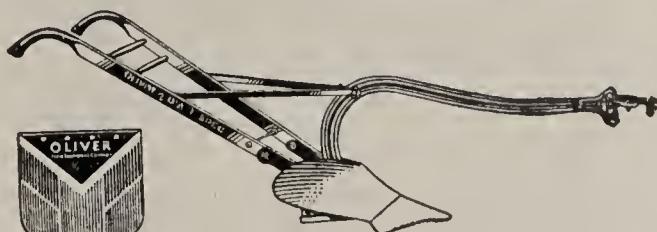
Oliver Plows are regarded as the highest grade chilled plows made. There is a lifetime of satisfaction, and farmers endorse them highly.

NO. 42 AND 43 STEEL BEAM PLOWS. The construction of the mouldboard at the top makes it an easy scouring plow and is easily adapted for level or rolling land, sod or stubble.

NO. 42. MEDIUM TWO-HORSE PLOW. Capacity 7½ inches deep, 13 inches wide.

NO. 43. LARGE TWO-HORSE PLOW. Capacity, 8½ inches deep, 15 inches wide.

General Purpose Plow



Where a general purpose plow is needed to turn sod, raw land, clay and sand, and gravelly, stony soil. The long curved mouldboard turns the deep furrow slice completely over, covering trash. Steady running, light in draft, easily handled and heavily braced, made with steel mouldboards.

NO. 82. LIGHT TWO-HORSE PLOW. Capacity 6x12 inches.

NO. 83. MEDIUM TWO-HORSE PLOW. Capacity 7x13 inches.

NO. 84. LARGE TWO-HORSE PLOW or medium three-horse plow. Capacity 8x15 inches.

Farm Implements

PLOWS—Continued

No. 155 Hillside Plow. Meets the demand for a light one-horse hillside plow. Equipped with a hardened steel mouldboard and chilled shares. The mouldboard brace is separate and can be renewed without replacing the entire bottom. Mouldboard locks automatically, making it a very desirable plow for small farms, as it will work equally as good on sod or stubble.

No. 524 Hillside Plow. Built for use in hilly country and places where it is desirable to plow back and forth across the same side of the field, without laying out lands. It is equipped with a steel mouldboard and chilled share. Steel lever shifting clevis regulates the width of furrow. Shifting of the bottom is made easy by a conveniently placed foot lever. It is equipped with a gauge wheel. It has a capacity of 8 inches deep by 15 inches wide.

No. 24 Oliver Road and Grading Plow

For certain types of road work there is no better implement. It will break the hardest roads, as it is sturdily built. It can be used with horses or light tractors. The chilled mouldboard is long and deep for breaking the soil into lumps. The chilled cutter share is of a special deep suck type to insure penetration. Hanging coulter, jointer, gauge wheel or gauge share furnished extra on order. Capacity is 7 inches deep by 14 inches wide.

No. 25 Oliver Pavement Plow

The Plow for the Contractor

It does the work and saves time and money. Note the adjustable and double reversible, crucible, self-sharpening spike steel point, the hanging adjustable gauge shoe with chilled wearing parts, the well-braced handles with loop handle wear irons, and its massive beam with extremely heavy upper and lower flanges, insuring plenty of strength. The point made of the highest grade of steel, and being double reversible gives the maximum of service. Excellent for breaking cobblestones, pavement, or any unusually hard ground.

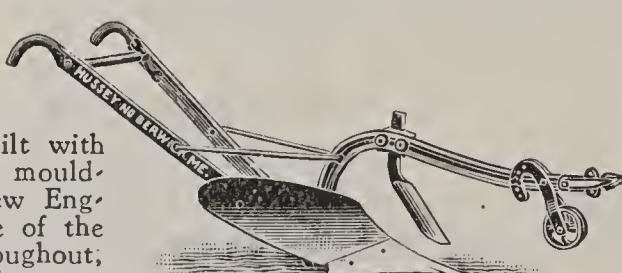
The Sargent No. 76 Plow

This series has proven very popular in New England. They are light weight, of good capacity, and handle easily. These plows are made with steel mouldboard.

- 76A—Medium Two-Horse, Cast Share, Steel Board.
- 76B—Light Two-Horse, Cast Share, Steel Board.
- 76C—One-Horse, Cast Share, Chill Board.

Hussey Plows

Very strongly built with the Hussey shaped mouldboard, liked by New England farmers. Made of the best materials throughout, are easily held, and are as nearly complete and satisfactory in every respect as the most critical can ask.



No. 26. Large Two-Horse Plow. Steel Mouldboard, Hard-Metal Point. Cuts from 6 in. to 8 in. deep, 13 in. to 16 in. wide. Weighs complete, 128 lbs.

No. 28. Large Three-Horse Plow. Steel Mouldboard, Hard-Metal Point. Cuts from 7 in. to 9 in. deep, 14 in. to 18 in. wide. Especially adaptable for breaking up new land. Weight complete, 162 lbs.

No. 100. (Wood Beam) One-Horse Plow. Cuts from 5 in. to 6 in. deep, 10 in. wide. Weighs complete, 82 lbs.

No. 102. (Wood Beam) Light Two-Horse Plow. Cuts from 5 to 7 in. deep, 12 in. wide. Weighs complete, 82 lbs.

No. 104. Medium Two-Horse Plow. Cuts from 7 in. to 8 in. deep, 16 in. wide. Weighs complete 111 lbs.

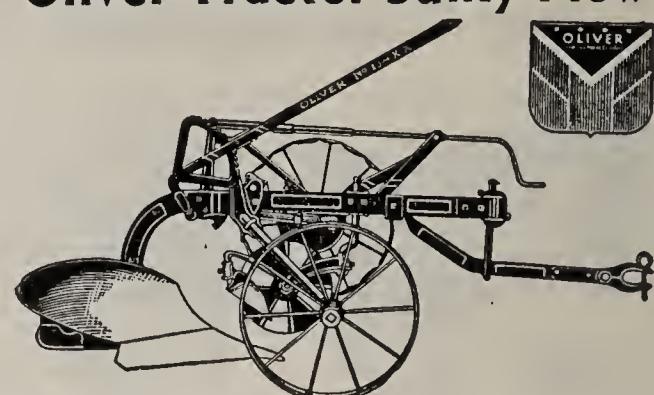
No. 106. Large Two-Horse Plow. Cuts from 7 in. to 9 in. deep, 16 in. wide. Weighs complete, 124 lbs.

No. 108 (Wood Beam) Heavy Road or Bush Ground Plow. Cuts from 8 in. to 10 in. deep, 18 in. to 20 in. wide. Weighs complete, 190 lbs.

Clark's Cutaway One-Horse Harrow

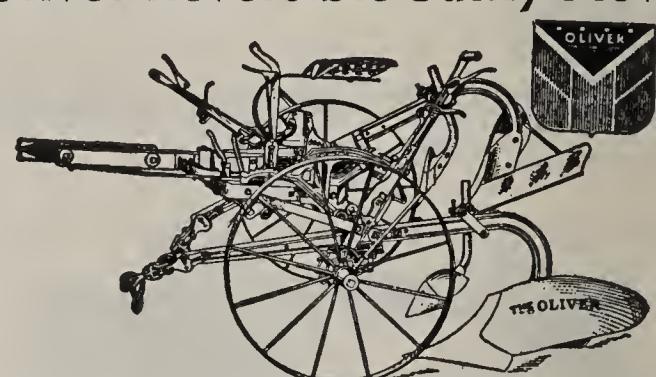
Adapted for the needs of the small farmers and fruit growers. It has 8-16-in. cut-out forged steel discs. Price on application.

Oliver Tractor Sulky Plow



No. 134-XX. Excellent for deep plowing, in soil that is hard and weedy. A plow for Fordson tractor, with 16-inch base.

Oliver Reversible Sulky Plow



No. 23-A. Plows back and forth one side of field. Reversible by foot trip, adjustable for the different sizes of bottoms, equipped with steel mouldboard.

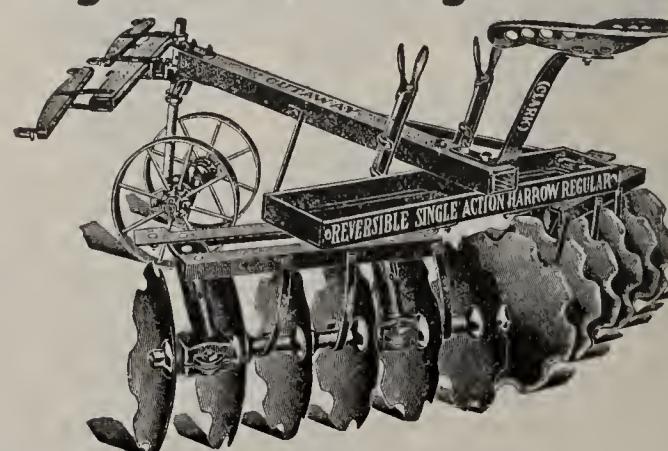
Clark Cutaway Flexible Tractor Disk Harrow



A strong and durable tractor harrow that appeals to practical farmers. For the average or difficult work, this machine does an excellent job. The disks are furnished either solid or cutout, made of cutlery steel; they will outlive three sets of ordinary discs, and carry a guarantee of three years. Furnished in sizes as follows:

24—16-in. disks, 6½ ft.	24—18-in. disks, 6½ ft.
28—16-in. disks, 7½ ft.	28—18-in. disks, 7½ ft.
20—18-in. disks, 5½ ft.	28—20-in. disks, 8 ft.

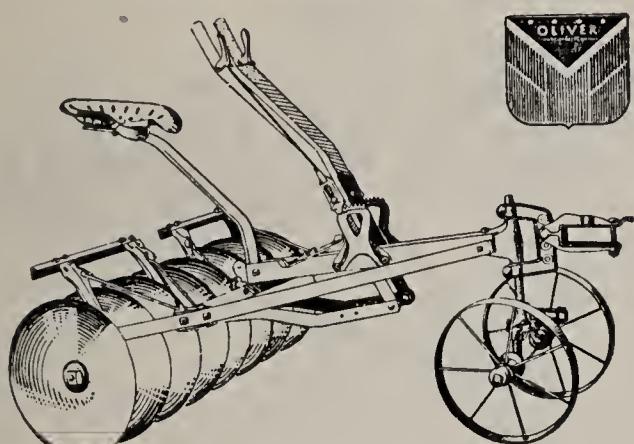
Clark's Cutaway Single Action Harrow Regular with tongue truck



The farmer takes no chances when he buys this harrow, because first of all it does the work, and tills the soil most effectively; second, the construction is rigid and gives unlimited service, and third, it is most convenient to handle.

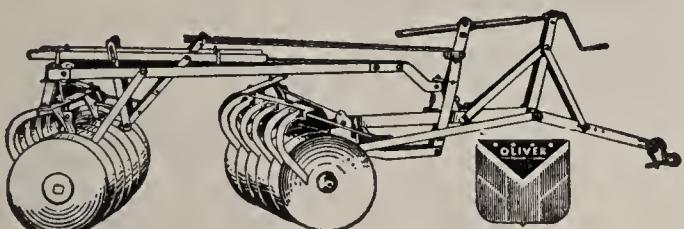
Farm Implements

Oliver Disc Harrow With Fore Truck



No. E-113. On the Oliver "A" series disc harrow the gangs can be set at any angle for proper penetration of different soils. Just the right degree of disc curvature enables the disc to pulverize the soil to the desired depth. High quality spring steel scrapers are controlled by foot levers. Slat and control levers are so placed that driver can be comfortable and at the same time adjust the gangs easily and conveniently. Frame, constructed from angle steel, is sufficiently large to make it strong and durable. The Oliver "A" Harrow is furnished in sizes cutting 6 feet wide with 16- or 18-in. disc.

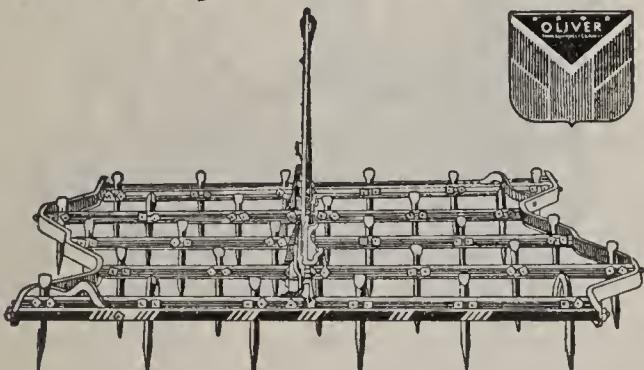
Oliver Tractor Disc Harrow



Special 6-Ft. Size for Fordson Tractor

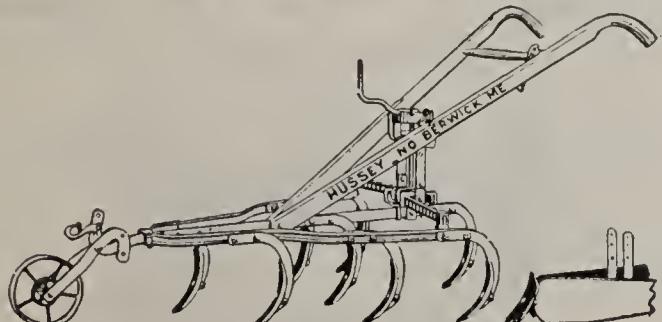
The Oliver THD is specially designed for use with standard light tractor. Its construction permits all four gangs to be set at more or less angle from the tractor seat without use of a lever and without backing the harrow. This tractor can be furnished in 6-, 7-, and 8-ft. sizes, with either 16- or 18-in. discs.

Oliver Spike-Tooth Harrow



The Oliver Spike-Tooth harrows are equipped with side latch levers that make it easy to control the harrow and provide a grip for lifting the sections to clear the teeth of trash.

New Model Centennial Horse Hoe Cultivator

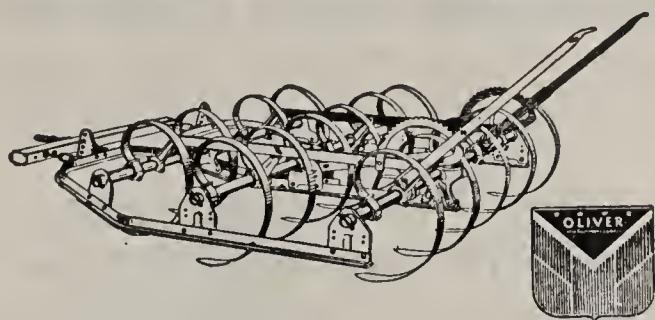


No. 8. An unusual implement combining several worth-while features. It is built with a long frame to add extra teeth without danger of clogging. Equipped with reversible flanged points.

No. 1 model equipped with 5—3-in. points, long wings and lever and coverer combined.

No. 8 model, equipped with 8—1-in. points, long wings and lever and coverer combined.

The Oliver Lever Harrow

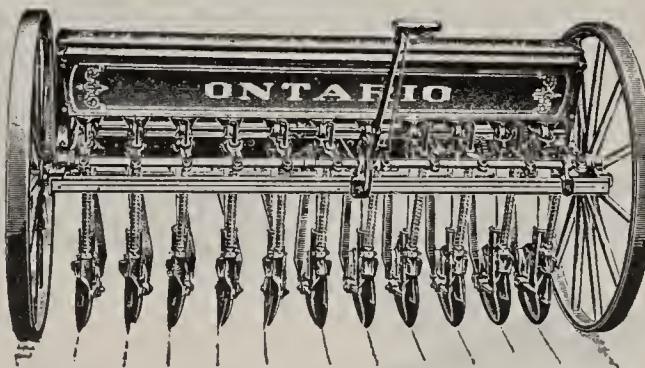


Oliver spring-tooth harrows are made in two sections, fifteen or seventeen teeth. They are made with channel bar frames with runners. The sides of the frame form runners. The inside runners are cut off halfway to allow ample clearance for trash. Reversible steel shoes, one-fourth inch thick, bolted to the bottom of runners save wear on frame. The frames of the channel bar harrows are made of high carbon T stock. Design of tooth clip prevents teeth slipping or becoming loose. The tooth clip gives any amount of adjustment desired, and allows a large part of the tooth to be used. A lever on each section also permits quick, positive adjustment of the spring teeth.

One-Horse Spring-Tooth Harrow

A very popular harrow, used extensively for orchards, gardens, and small farms. Made entirely of steel and malleable iron. Is controlled by the handles as easily as a cultivator. Frame is made of angle steel and is sloped at the front to avoid obstructions. Has renewable steel runners. Price on application.

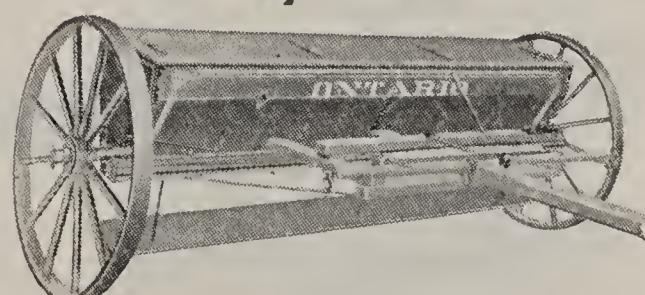
Ontario Combined Single Disc Drill



(For Sowing Grass Seed, Grain and Fertilizer)

The most popular and best adapted style of drill for the New England States. In simplicity of construction, accuracy of operation and lightness of draft, it excels any machine in the world of similar construction and recognized merit.

The Ontario Fertilizer and Lime Distributor Style H



Simple, Strong, Durable Sows Broadcast
One- and Two-Horse

Built to meet the demand for a simple, practical and comparatively inexpensive machine with which to distribute lime and fertilizer. The quality of the material used, the workmanship, the design and finish are all first-class. The parts are few, and are made not only with a view of efficiency, but for strength and durability. The mechanism is of the simplest form and easily understood. It is an honest, durable and practical machine, with exceptional value for the cost. Has proved a useful, handy machine for sowing dry fertilizers, such as plaster, ashes, lime, bone dust, cotton seed, meal, salt, etc.

Farm Implements

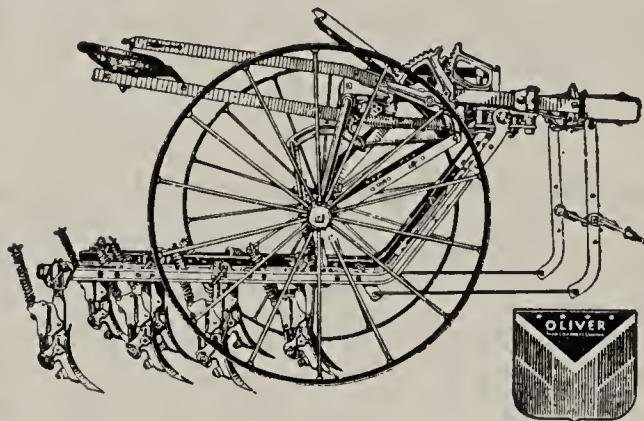
Diamond Tooth Cultivator

Teeth diamond shaped, with a small cultivator tooth forged on one end. For close work every other tooth can be quickly removed. Cultivating width, when equipped with lever expander, 34 inches.

Five-Tooth Cultivator, with Hilling Attachment

The hilling attachment is applied by simply removing four standards and placing the standard of the hillier on the middle bar and attaching the short standards of the blades to the side bars. This attachment is used in cases where higher ridging is desired than what can be accomplished with the regular horse hoe blade.

The Oliver No. 35 Cultivator



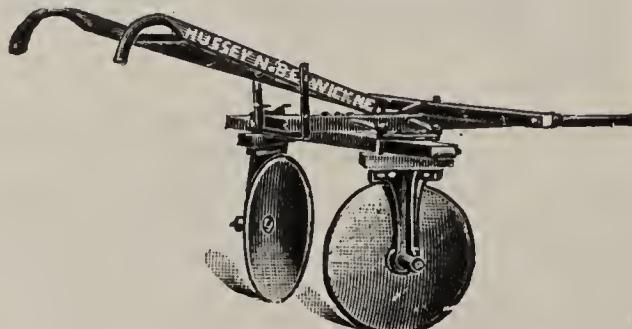
The New Oliver No. 35 Cultivator has been thoroughly tested out in different parts of the country where conditions are difficult and has received the unqualified approval of the practical farmer. Disc attachment and shields furnished.

Improved Potato Hoe, Furrower, Marker and Coverer



The Improved Potato Hoe is, as its name indicates, especially adapted for hilling potatoes, banking celery, and also as a coverer. It is much used as a marker for different crops, making the rows parallel and equally distant.

"K & W" Improved 20-Inch Disc Potato Hoe



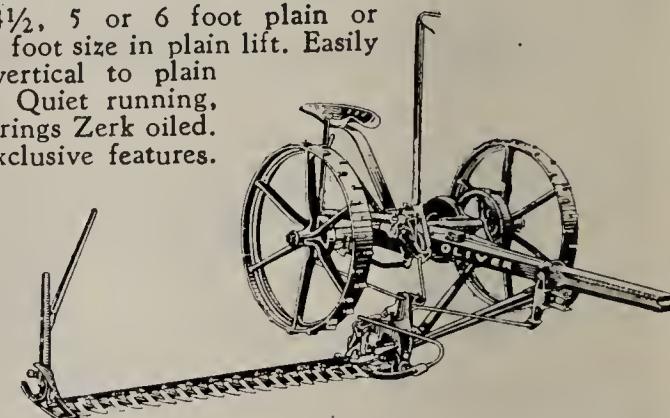
Considered by many farmers the best hoe made for hilling and covering. A distinct departure from the styles commonly in use, the large discs doing smooth and perfect work. Price on application.

McCormick's Enclosed Gear Mower

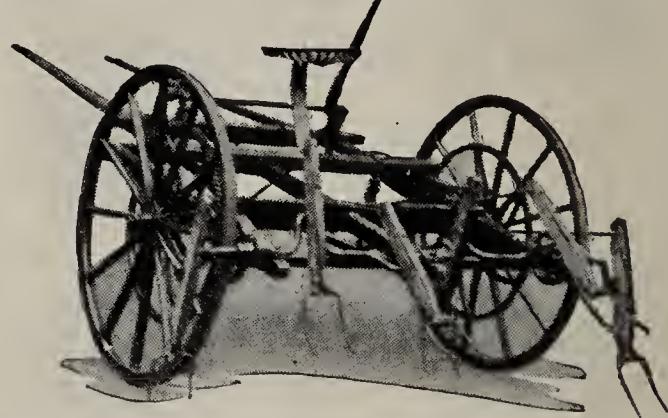
Entire mechanism including ratchets run in a bath of oil. McCormick Mowers have a worldwide reputation for light draft and easy running qualities. They are the first machines of their kind to be equipped with ball and roller bearings. McCormick Mowers are made in three types: Regular lift, vertical lift, and giant or heavy-duty type. Strength has been built into the McCormick Mower frame where strength is needed. Water cannot accumulate about the butt of the pole and cause it to rot as the end of the pole is covered by the frame of the Mower. The first step in the transmission of the power from the drive-wheels to the knife is through an internal gear and pinion. This is regarded as an unusually strong and efficient type of drive, because with the internal gear the greater part of two teeth is constantly engaged. The crankshaft retains oil. A wide hinge and rugged construction keeps the cutter bar in alignment. Drag-bar arrangement gives ample traction on rough ground.

The New Oliver Mower

Furnished in 4½, 5 or 6 foot plain or vertical lift, and 7 foot size in plain lift. Easily converted from vertical to plain lift or vice versa. Quiet running, light draft, all bearings Zerk oiled. Many new and exclusive features.

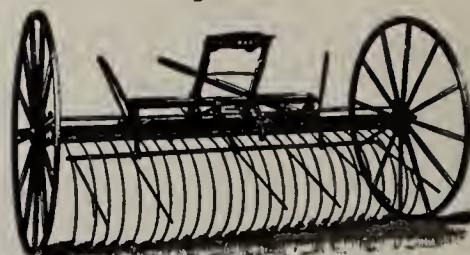


The Bullard Hay Tedder



Takes the hay from the bottom, shakes it in the air and leaves it lightly on the ground for the sun and air to complete the work of hay making. Does not shake to pieces. The crank shaft split in the middle makes it easy for the horse to turn. The forks on either side are driven independently by the wheel nearest them, so that this tedder can be turned while it works, without straining the tedder or horse, and do good work all the while.

The "Genuine" New York Champion Hay Rake

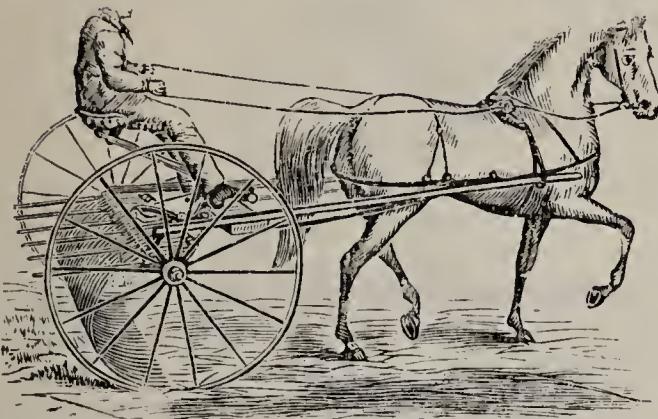


Strong, Simple, Durable
It cleans the ground thoroughly without taking up the dirt, and works with ease and convenience, in heavy or light crops, on level fields or hillsides.

Dumps with one piece rod from both wheels at once. This makes even draft. Levers, hand and foot, give the driver control at all times.

Farm Implements

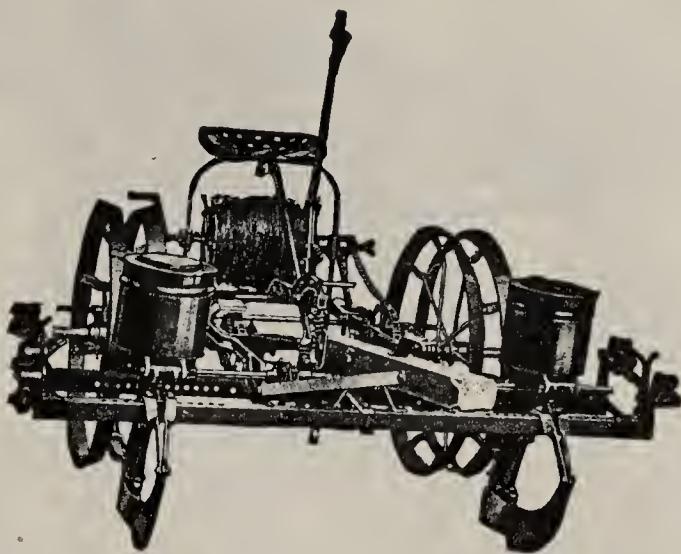
The Original Yankee Rake



Some of the Leading Points of Superior Excellence Found in the Yankee Horse Rake

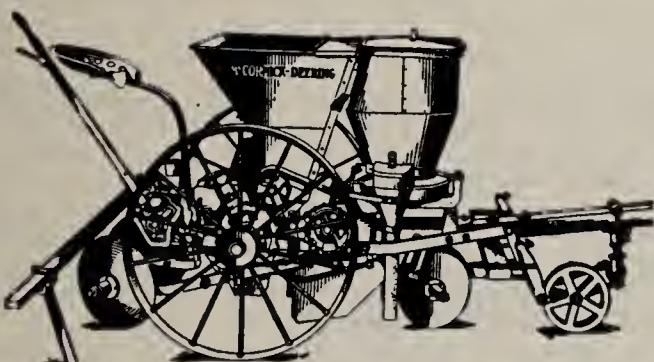
Simplicity in construction, will rake anywhere, whether the fields are rough or smooth or the hay green or dry. Rake head adjusted so as to balance the weight of the teeth. This device completely prevents the teeth from dragging heavily and digging into the ground or filling the hay with dirt and dust. Teeth run level with ground at their points. Each tooth is independent in action and supplied with a yielding spring that will allow it to pass safely over any obstruction that the axle can pass over.

Superior No. 24 Clutchless Corn Planter



Simplicity, strength and remarkable accuracy are the outstanding features of the Superior Clutchless Corn Planter. Either flat or edge drop plates can be used, and as the plates move steadily at all times almost perfect filling of cells is assured. Row adjustment is from twenty-eight to forty-eight inches, two-inch spacings. No clutch on feed shaft to get out of order. Double adjustable marker.

McCORMICK-DEERING POTATO PLANTERS

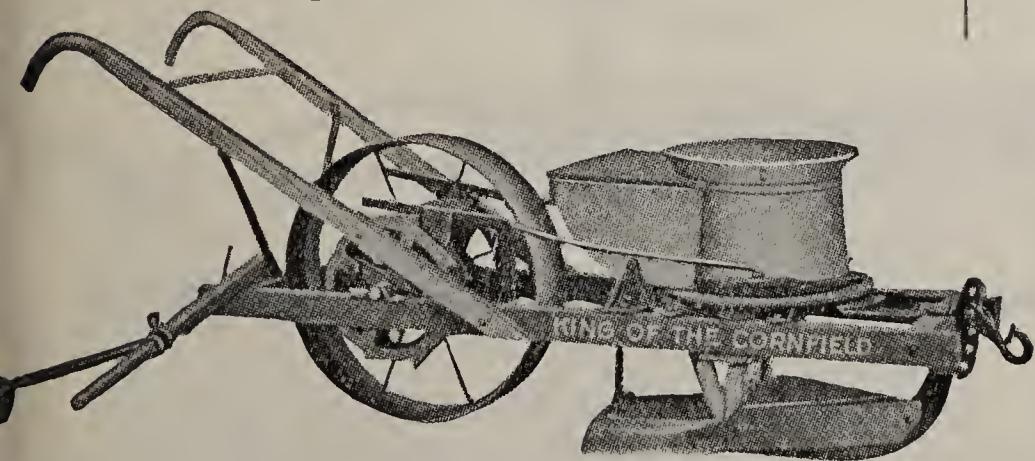


One-row Planter with Fertilizer Attachment

Horse and Tractor Draft

Every feature of McCormick Deering Potato Planters contributes to accuracy and long life. They have automatic seed delivery; furrow openers are held under spring pressure; the frames are strong and well braced. You can plant deep or shallow and every piece will be evenly spaced. Built in 1 and 2 row sizes for tractor or horse operation. Fertilizer attachments available.

"King of the Cornfield"

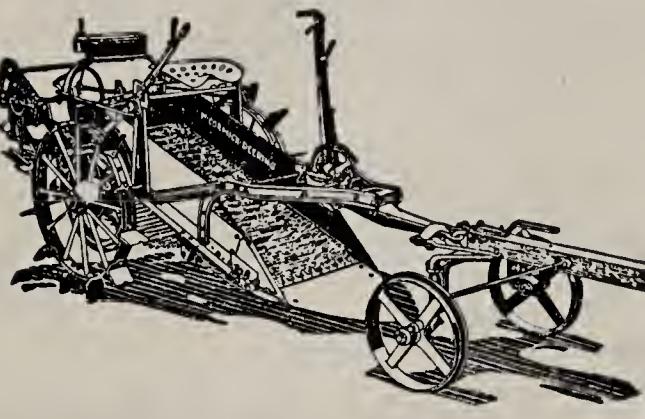


Corn, Pea Planter, and Fertilizer Distributor

Does perfect work, not only in planting corn in hills or drills but does equally as good work planting peas, beans, and all similar seeds, putting in the fertilizer as well.

NOTE.—This type of corn planter is well known to New England farmers, but before buying a planter read the twelve big improvements.

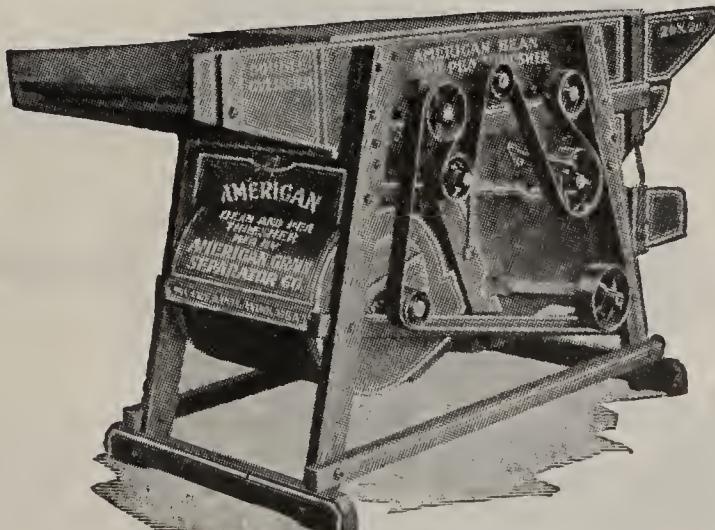
McCORMICK-DEERING POTATO DIGGERS



for Horse Draft

This Digger brings extra profits from potatoes by reducing digging costs. They leave the potatoes in easily gathered rows. Potatoes harvested the McCormick Deering way are clean and unbruised, so that you can get top prices for them. These diggers are available in bar grate and rod link types; 6 foot sizes for two horses and 7 foot sizes for four horses. Come in and see these diggers before you start harvesting your crop.

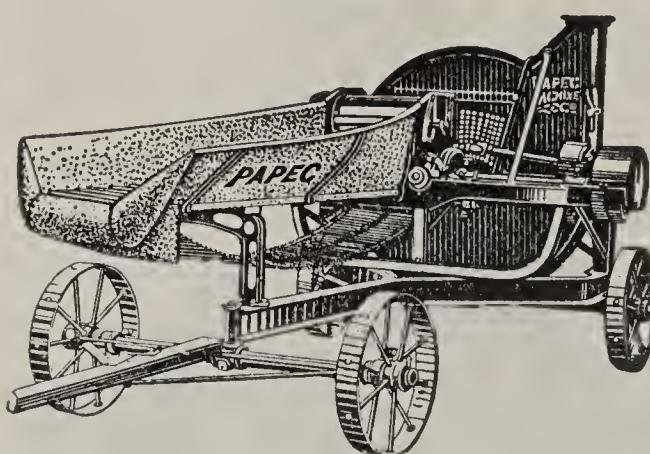
American Double Cylinder Bean and Pea Thrasher



No. 14. This machine will thrash all varieties of beans (or peas) directly from the rankest growing vines without splitting the seed. It takes all the seed from the vines and pods in a clean, marketable condition, and shreds the vines, making them valuable fodder.

Farm Implements

Papc Ensilage Cutters



No. 127. Well known for simplicity, light running and self-feeding qualities. This new Papc Cutter has a large steel feed table. Papc Cutters have semi-steel cutting wheels with a heavy steel tire shrunk around the wheel. Six fans of malleable iron are used which together with a patented blower drum adjustment, makes' elevating adjustment a possibility.

Cutting knives are made of special steel.

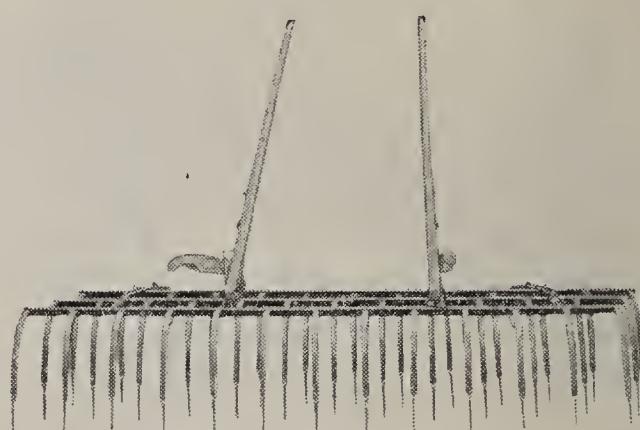
The self-feed mechanism has a full angle slat traveling apron, heavy cast feed rollers of one piece running between the teeth in the shear plate, an upper or third feed roll steel drum working independent of feed rolls to feed bulky material to the rolls, and shear plate of special iron chilled on cutting edge.

Equipped with pipe and elbow for 36-foot silo. Tilting joint of pipe is always included. Equipment also includes extra set of cutting knives and change gears for different lengths of cut. Machines may be supplied on legs or on a 4-wheel truck.

SPECIFICATIONS

	Size R	No. 81
	With 2 Knives	With 2 Knives
Tons per hour	2 to 5	5 to 10
Horse power, gasoline	3 to 6	6 to 10
Horse power, electric	3 to 6	5 and 7½
Lengths of cut, approximately..	¼, ½, ¾, 1 in.	¼, ½, 1 in.
Revolutions per minute with gas power	700	650
Revolutions per minute with electric power		400
Throat opening at cutting plate:	6½ in. x 10½ in.	6¾ x 12¾
Length of cutting knives.....	12¾ in.	15⅝ in.
Shipping weight, not mounted.	935 lbs.	1209 lbs.
Shipping weight, mounted.....	1115 lbs.	1471 lbs.

The K. & W. Weeder



One of the best machines for level cultivation; will not injure the roots of the growing crops, but kills out the weeds, and leaves a fine mulch on the surface of the ground.

"Ice King" Plow



The teeth are made of the finest quality crucible tool steel carefully heat treated to maintain a keen cutting edge. No. 321 cuts 10 in. Has five cutting teeth and cleaning tooth, and is equipped with patent adjustable swing guide, drilled to mark ice 14, 16, 18, 20, and 22 inches. These plows are filed with a feed to cut 1½ inches. A horse in four runs at a pace of three miles per hour would cut the equivalent of a groove 6 inches deep and 66 feet long in one minute, thus equaling the sawing capacity of fifty men in 12-inch ice for the same time. Price, \$60.00.

Ice Tools—Handy and Convenient

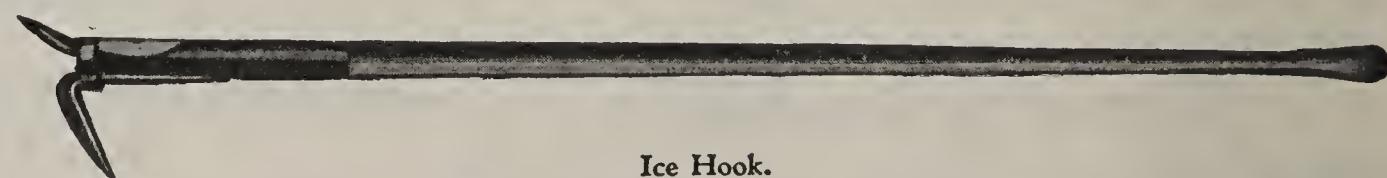
Everything in ice harvesting tools and supplies for icemen, dairymen and farmers.

- No. 1 Breaking Bar
- No. 2 Bar Chisel
- No. 3 Splitting Fork
- No. 5 Ice Shaver
- No. 6 Splitting Chisel
- No. 7 Ice Saw

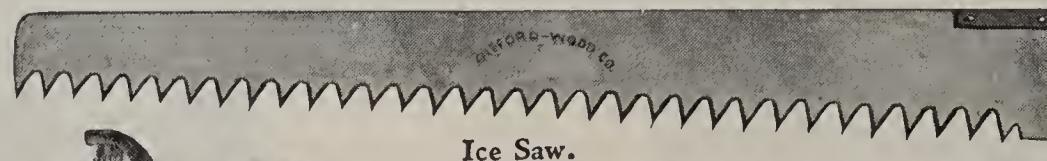
- No. 8 Line Marker
- No. 9 Ring Handle
- No. 10 Splitting Chisel
- No. 11 Tongs
- No. 12 Ice Saw
- No. 13 Ice Hook



Tongs.



Ice Hook.



Ice Saw.

Splitting Chisel.

No. 1 Wood Saw Frame

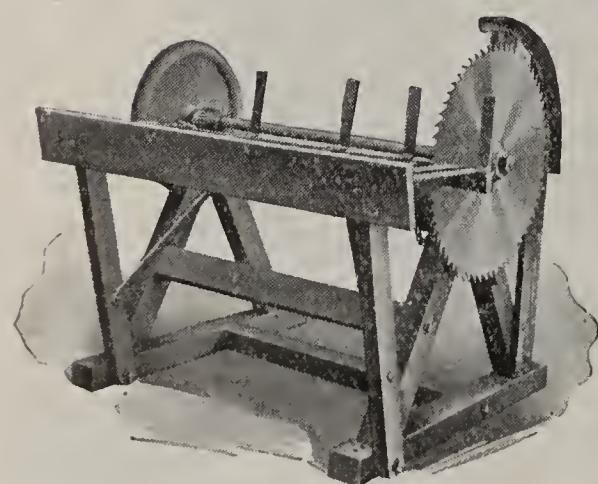
This is undoubtedly the greatest all round small rig ever offered. When an 18-inch blade is used it may be run with 1 H. P., but we recommend 2 H. P. Will carry a blade up to and including 22 inches.

Frame. The frame is well built of good seasoned wood, securely put together. Mandrel. Cold rolled steel 1 5/16 inches in diameter, 41 inches long. Fitted for saw having 1 1/4 inch arbor.

Flywheel. 35 lbs., 13 1/2 inches in diameter.

Pulley. 5 inch face, 5 inches in diameter.

Boxes. Solid pattern, lined with high speed bearing metal.



Farm and Household Sundries

Concrete Mixer



You Need a Mixer on Your Farm

General Specifications: Drum, largest diameter, 22 in., depth, 21 in. Opening, 17 in. Shoveling height, 3 ft. Pulley size, 16x3 in. Pulley speed, 150 R. P. M. maximum. Drum speed, 30 R. P. M. maximum. Shipped knocked down, weight, 180 lbs. Capacity, wheelbarrow load per batch. One batch per minute. Price on application.

Quantities Required: A cubic yard of concrete of 1-2-4 mixture will require: 1½ barrels (6 sacks) of Portland cement, 2/5 cubic yard of sand, 4/5 cubic yard of gravel or crushed rock.



Ray-O-Vac Flashlights and Batteries

Silverchrome Rotomatic Spotlight

The most beautiful flashlight in America. Chrome plated throughout, ten sided tube, rotomatic switch, Mazda lamp, lamp shock absorber, plateglass lens. Price, complete with batteries, \$1.25. By mail, \$1.35.

Dualite

Spotlight and floodlight both in one. Price, complete with batteries, \$1.25. By mail, \$1.35.

Extra flashlight batteries, 10c each; bulbs, 9c each.

Worcester Salt

For Dairy or Table

The standard of quality. Worcester Salt is still the leading brand, as it has been for a generation. It is used by everybody who wants the best. ITS PURITY, CLEANLINESS, STRENGTH and FLAVOR has never been equaled. Worcester Salt is unrivaled for butter. Send for our booklet "Butter Making on the Farm". Free on request.

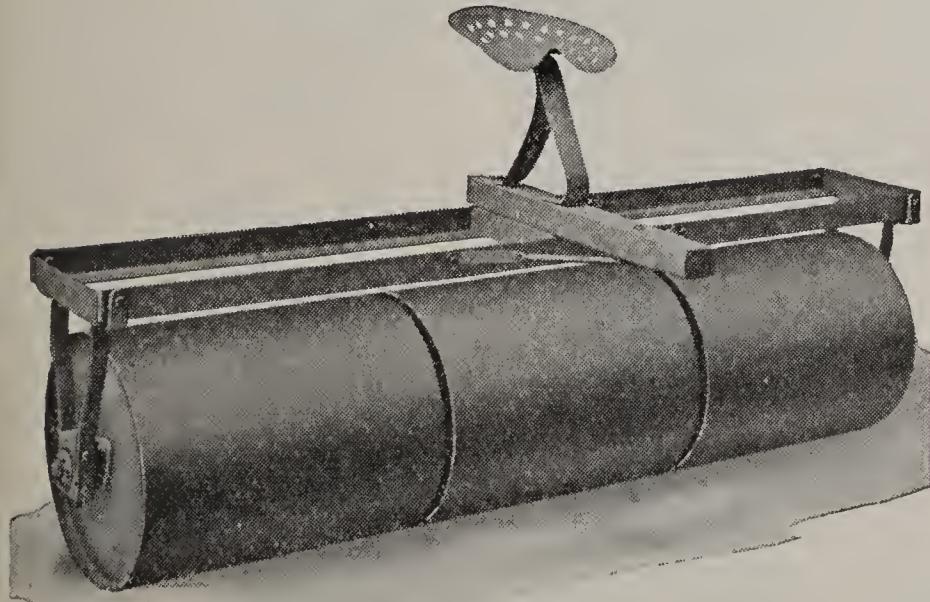
Worcester Salt for Packing Meat

Worcester Salt turns out better pork, sweeter hams and bacon than any other salt. A trial will convince you. Send for our booklet "Curing Meats on the Farm."

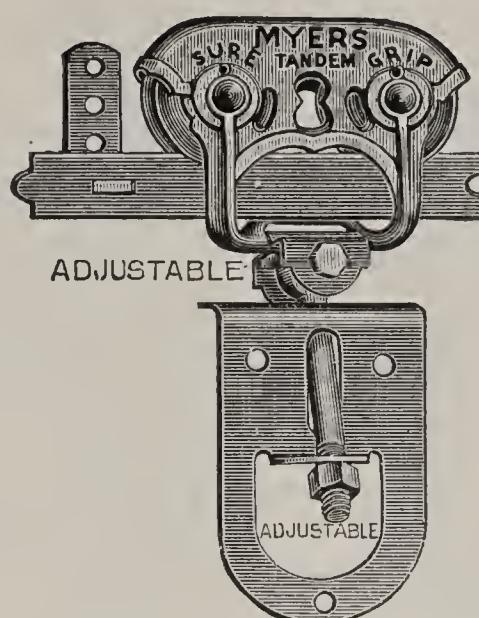
Ivory Free Running Salt

Is the last word for those who prefer a specially prepared salt for use in shakers. It is the saltiest free running salt known and comes in the best package on the market, a moisture proof carton with cover and spout.

Steel Land Rollers



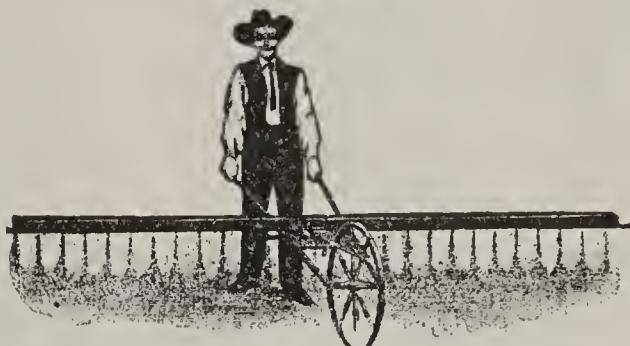
Heavy steel heads are used, making fully closed ends. The rims or drums of these rollers are of the best material, of heavy gauge, and are firmly riveted to the heads. The hangers are of forged steel and are not easily broken.



Myers Sure Grip Adjustable Tandem Door Hangers

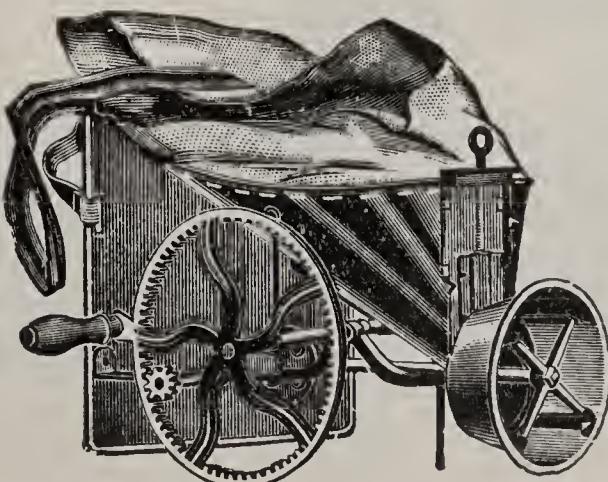
Hangers, \$2.00 per set.
Track, 10c per foot.

Wheelbarrow Grass Seeder and Sower



The 14-foot hopper, holding 1½ bushels, will sow uniformly and accurately, without bunching, the desired quantities of any kind of hay, pasture or lawn-seed mixture. The hopper is carried beneath the handles and discharges close to the ground, so wind does not affect the sowing of even the lightest seeds. Sows from 50 to 125 lbs. per acre.

The Cahoon Broadcast Seed Sower



For Sowing Rye, Wheat, Oats, Barley, Buckwheat, Grass Seed, Etc.
This hand machine sows from four to eight acres per hour, at a common walking gait.

Blatchford's Calf Meal

The Complete Milk-Equal

Just the thing to raise your calves right from birth. Then sell your milk and get the benefit of the high creamery prices. No more scouring calves.

Absolutely the only milk-substitute that contains all the elements necessary for rapid and healthy growth, and the only calf meal that is thoroughly cooked and prepared for digestion. Will push calves forward better and quicker than any other food.

Sold in 100, 50, and 25 pound bags. 100 pounds makes 100 gallons of Complete Milk-Substitute.

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GLADIOLUS, the Aristocrats of the Garden

Selected by Mr. Whitney

23 of America's Finest Blue Ribbon Varieties

1. **Albania.** White.
2. **America.** Soft pink.
3. **Baron Jos. Hulot.** Very dark blue. Medium early.
4. **Carmen Sylva.** Fine spike, pure white. One of the best. Late.
5. **Crimson Glow.** Rich crimson-scarlet. The best red. Medium.
6. **Golden Dream.** Pure yellow. Late.
7. **Giant Nymph.** Light pink, tall spike. Early.
8. **Halley.** Salmon-pink, creamy marking. Early.
9. **Violet Beauty.** Large, mauve with deeper markings. Medium.
10. **Laughing Water.** Salmon-rose, often two spikes to a bulb.
11. **Los Angeles.** Soft salmon-pink with cerise feathers. Medium.
12. **Marietta.** Light salmon-orange, deeper blotch. Medium.
13. **Marnia.** Orange, long spike.
14. **Break o' Day.** Large flower, clear light pink.
15. **Mrs. Frank Pendleton.** Fine clear pink, carmine blotch. Medium.
16. **Mrs. F. C. Peters.** Rosy lilac with crimson blotch. Late.
17. **Mrs. Leon Douglas.** Flame-salmon-pink, splashed crimson. Late.
18. **Muriel.** Grayish lavender, purple blotch.
19. **Opalescent.** Delicate lavender; fine spike, large. Medium.
20. **Osalin.** Salmon, orange pink, fine spike.
21. **Peace.** Pure white with lilac throat. Late.
22. **Pride of Wanakah.** Pure rose-pink, darker blotch.
23. **Berty Snow.** Lavender and creamy yellow, magenta blotch.

WONDER \$1.00 MIXTURE

Twenty-five bulbs in a box. No two alike. Full range of colors. If bought separately would cost more than double. Per box, \$1.00.

K. & W. Pine Tree Special Collection

One bulb each of 15 outstanding varieties, all separate and named. This is purely an advertising special put up for the purpose of inducing those who are not yet familiar with our wonder quality bulbs, to try them, and as a rare treat for those who buy our bulbs year after year.

Full instructions furnished by a noted gladiolus grower with each order.

I Each of
15 Kinds
\$1.50



PRICES: Named varieties, 5c each; 50c per doz.; by mail, 60c. Fine mixed, 4c each; 35c per doz.; by mail, 45c.

*Carefully selected strains make your garden
a PICTURE of BEAUTY*

**NEW
Swiss Giant Pansies**

The finest colors and the largest flowers on neat, bushy plants. The immense flowers are of a heavy, velvety texture and the stems long and stiff. Pkt., 25c.



**Single Petunias
Mammoth Fringed**

These beautiful large flowers embrace many beautiful colors, crimson, pink, lavender, white, mottled, etc. Many of the flowers have yellow throats while others are deeply lined and netted on a white, pink or lavender ground. This is a fine sort for bedding or pot culture. Mixed colors. Pkt., 25c.

KENDALL & WHITNEY
Federal and Temple Sts. PORTLAND, MAINE